



Parts & Maintenance Manual

Cushman Turf Truckster

84043 – Perkins 403 Diesel Engine, Manual Transmission

84044 – Perkins 403 Diesel Engine, Manual Transmission, EC

898627 – Suzuki K6 Gas Engine, Manual Transmission

898628 – Suzuki K6 Gas Engine, Automatic Transmission

84052 – Suzuki K6 Gas Engine, 5 Speed Manual Transmission



WARNING: If incorrectly used this machine can cause severe injury. Those who use and maintain this machine should be trained in its proper use, warned of its dangers and should read the entire manual before attempting to set up, operate, adjust or service the machine.

JACOBSEN
A Textron Company

Table of Contents

1	Safety				
1.1	Operating Safety	4	6.9	Jump Starting	19
1.2	Important Safety Notes	5	6.10	Battery	20
2	Standards and Publications		6.11	Charging Battery	20
2.1	Standards and Publications	6	6.12	Hydraulic Hoses	21
3	Vehicle Identification Numbers		6.13	Hydraulic Reservoir and Filter	21
3.1	Vehicle Identification Number	7	6.14	Fuel	22
3.2	Engine Identification Numbers	7	6.15	Fuel System	22
4	Specifications		6.16	Tire Pressure	22
4.1	Product Identification	8	6.17	Tire Removal and Installation	23
4.2	Engine	8	6.18	Raising the vehicle	23
4.3	vehicle	8	6.19	Towing the Vehicle	24
4.4	Gear Ratios	9	6.20	Governor Oil Level	24
4.5	Weights and Dimensions	9	6.21	Hydraulic Brakes	25
4.6	Accessories & Support Literature	9	6.22	Differential Fluid	26
5	Adjustments		6.23	Diesel Engine Manual Transmission	26
5.1	General	10	6.24	Gas Engine Manual Transmission	27
5.2	Engine Access	10	6.25	Gas Engine Automatic Transmission	27
5.3	Front Cowl Access	11	6.26	Electrical System	28
5.4	Access Panels	11	6.27	Dash Panel	28
5.5	Diesel Engine Alternator Belt	12	6.28	Headlight Replacement	29
5.6	Diesel Engine Hydraulic Pump Belt	12	6.29	Tail Light Replacement	29
5.7	Gas Engine Power Steering-Alternator Belt	12	6.30	EFI Diagnostic Check	30
5.8	Gas Engine Hydraulic Pump Belt	13	6.31	Care and Cleaning	31
5.9	Parking Brake Cable	13	6.32	Storage	31
5.10	Torque Specification	14	7	Troubleshooting	
6	Maintenance		7.1	General	32
6.1	General	15	8	Maintenance & Lubrication Charts	
6.2	Engine	15	8.1	General	33
6.3	Engine Oil	16	8.2	Lubrication Chart	33
6.4	Power Steering Reservoir	17	8.3	Maintenance Charts	34
6.5	Muffler and Exhaust	17	9	Notes	
6.6	Engine Overheat Procedure	17	10	Parts Catalog	
6.7	Cooling System	18	10.1	Table Of Contents	37
6.8	Air Filter	19			

This manual is designed for the Maintenance and Adjustment of this equipment.

Use the maintenance and adjustment instructions included in this manual and the operating instructions included in the **Safety and Operation Manual** to service the machine.

The **Safety and Operation Manual** must be kept in the pouch on the back of the seat at all times for reference by the operator.

Copyright 2005, Textron Inc.

"All rights reserved, including the right to reproduce this material or portions thereof in any form."

Litho in U.S.A. 2-2006

Suggested Stocking Guide

To Keep your Equipment fully operational and productive, maintain a stock of the more commonly used maintenance items. We have included part numbers for additional support materials and training aids. A more complete listing of accessories and attachments can be found in the Specifications Section.

Service Parts

Qty.	Part No.	Description	Qty.	Part No.	Description
	842553	Diesel Engine Oil Filter		2701908	Gas Engine Oil Filter
	2208175	Diesel Engine Fuel Filter		2701898	Gas Engine Fuel Filter
	600997	Diesel Alternator-Power Steering Belt		4115406	Gas Alternator-Power Steering Belt
	841966	Diesel Hydraulic Pump Belt		4115404	Gas Governor-Hydraulic Pump Belt
	885249	Hydraulic Filter Element		840352	Air Filter Element (Gas and Diesel)
	4140040	Safety and Operation Manual		4140039	Parts and Maintenance Manual

To Order Parts

1. Write your **full** name and **complete** address on the order.
2. Explain where and how to make shipment.
3. Give product number, name and serial number that is stamped on the name plate or serial plate of your product.
4. Order by the quantity desired, the part number, paint code, and description of the part as given in the parts list.
5. Send or bring the order to an authorized Jacobsen Dealer.
6. Inspect all shipments on receipt. If any parts are damaged or missing, file a claim with the carrier before accepting.
7. Do not return material without a letter of explanation, listing the parts being returned. Transportation charges must be prepaid.

Use of other than Jacobsen authorized parts, excluding emission related components defined in the Emission Warranty, will void the warranty.

How To Use This Manual

Abbreviations

N/S - Not serviced separately, can only be obtained by ordering main component or kit.

AR -Variable quantity or measurement is required to obtain correct adjustment.

Symbols such as ▲, next to the item number, indicate that a note exists which contain additional information important in ordering that part.

Indented Items

Bulleted items indicate component parts that are included as part of an assembly or another component. These parts can be ordered separately or as part of the main component.

Item	Part No.	Qty	Description	Serial Numbers/Notes
▲ 1	123456	1	Mount, Valve	Indicates a piece part
2	789012	1	Valve, Lift	Includes Items 2 and 3
3	345678	1	• Handle	Serviced part included with Item 2
4	N/S	1	• Seal Kit	Non serviced part included with Item 2
5	901234.6	1	Screw, 1/4-20 x 2" Hex Head	Indicates part 901234 painted Orange
5	901234.2	1	Screw, 1/4-20 x 2" Hex Head	Indicates part 901234 painted Green

1 SAFETY

1.1 OPERATING SAFETY



WARNING

EQUIPMENT OPERATED IMPROPERLY OR BY UNTRAINED PERSONNEL CAN BE DANGEROUS.

Familiarize yourself with the location and proper use of all controls. Inexperienced operator's should receive instruction from someone familiar with the equipment before being allowed to operate the machine.

1. Safety is dependent upon the awareness, concern and prudence of those who operate or service the equipment. Never allow minors to operate any equipment.
2. It is your responsibility to read this manual and all publications associated with this equipment (Safety and operation manual, engine manual, accessories and attachments). If the operator can not read English it is the owner's responsibility to explain the material contained in this manual to them.
3. Learn the proper use of the machine, the location and purpose of all the controls and gauges before you operate the equipment. Working with unfamiliar equipment can lead to accidents.
4. Never allow anyone to operate or service the machine or its attachments without proper training and instructions; or while under the influence of alcohol or drugs.
5. Wear all the necessary protective clothing and personal safety devices to protect your head, eyes, ears hands and feet. Operate the machine only in daylight or in good artificial light.
6. Evaluate the terrain to determine what accessories and attachments are needed to properly and safely perform the job. Only use accessories and attachments approved by Jacobsen.
7. Stay alert for holes in the terrain and other hidden hazards.
8. Inspect the area where the equipment will be used. Pick up all the debris you can find before operating. Beware of overhead obstructions (low tree limbs, electrical wires, etc.) and also underground obstacles (sprinklers, pipes, tree roots, etc.) Enter a new area cautiously. Stay alert for hidden hazards.
9. Never allow anyone near the machine while in operation. The owner/operator can prevent and is responsible for injuries inflicted to themselves, to bystanders and damage to property.
10. Do not carry passengers. Keep bystanders and pets a safe distance away.
11. Never operate equipment that is not in perfect working order or is without decals, guards, shields or other protective devices securely fastened in place.
12. Never disconnect or bypass any switch.
13. Do not change the engine governor setting or overspeed the engine
14. Carbon monoxide in the exhaust fumes can be fatal when inhaled. Never operate the engine without proper ventilation or in an enclosed area.
15. Fuel is highly flammable, handle with care.
16. Keep the engine clean. Allow the engine to cool before storing and always remove the ignition key.
17. Place transmission in neutral, depress clutch and engage parking brake before starting the engine (motor). Start the engine only when sitting in operator's seat, never while standing beside the unit.
18. Equipment must comply with the latest federal, state, and local requirements when driven or transported on public roads. Watch out for traffic when crossing or operating on or near roads.
19. Local regulations may restrict the age of the operator.
20. Operate the machine up and down the face of the slopes (vertically), not across the face (horizontally).
21. To prevent tipping or loss of control, do not start or stop suddenly on slopes. Reduce speed when making sharp turns. Use caution when changing directions.
22. Always use the seat belt when operating vehicles equipped with a ROPS.
Never use a seat belt when operating vehicle without a ROPS.
23. Keep legs, arms and body inside the seating compartment while the vehicle is in motion.
24. Always shift transmission to Neutral (Manual Transmission) or Park (Automatic Transmission) and engage parking brake before leaving the vehicle.

1.2 IMPORTANT SAFETY NOTES



This safety alert symbol is used to alert you to potential hazards.

DANGER - Indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.

WARNING - Indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

CAUTION - Indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury and property damage. It may also be used to alert against unsafe practices.

For pictorial clarity, some illustrations in this manual may show shields, guards or plates open or removed. Under no circumstances should this equipment be operated without these devices securely fastened in place



WARNING

The Interlock system on this vehicle prevents the vehicle from starting unless the clutch pedal is depressed (Manual Transmission) or gear selector is in Park (P) or Neutral (N) (Automatic Transmission).

NEVER operate vehicle unless the Interlock system is working.



WARNING

1. Before leaving the operator's position for any reason:
 - a. Remove foot from accelerator pedal.
 - b. Slow vehicle using service brake.
 - c. Depress clutch and shift transmission to neutral.
 - d. Engage parking brake.
 - e. Stop engine and remove the ignition key.
2. Keep hands, feet, and clothing away from moving parts. Wait for all movement to stop before you clean, adjust or service the machine.
3. Keep the area of operation clear of all bystanders and pets.
4. Never carry passengers, unless a seat is provided for them.

By following all instructions in this manual, you will prolong the life of your machine and maintain its maximum efficiency. Adjustments and maintenance should always be performed by a qualified technician.

If additional information or service is needed, contact your Authorized Jacobsen Dealer who is kept informed of the latest methods to service this equipment and can provide prompt and efficient service. **Use of other than original or authorized Jacobsen parts, excluding emission related components defined in the Emission Warranty, and Accessories will void the warranty.**

2 STANDARDS AND PUBLICATIONS

2.1 STANDARDS AND PUBLICATIONS

This product meets requirements of ANSI B56.8 and has been approved by the Factory Mutual Research Corporation to meet all Powered Industrial Truck portions (classification D or G) of the OSHA requirements (as stated in section 1910.178). Approved power trucks shall bear a label or some other identifying mark indicating approval by the testing laboratory. This product conforms to EC directives and amendment 89/392 & 91/368.

Users, operators and service persons should be familiar with the following standards and publications: (The material may be obtained from the address shown)

Factory Mutual Approval Standard:
Class No's 7811 & 7813; Gasoline or Diesel
Powered Trucks, Types G, GS, D or DS.

Factory Mutual Research Corp.
1151 Boston-Providence Highway
Norwood, Massachusetts 02062 U.S.A.

National Fire Protection Association:
ANSI/NFPA #505; Powered Industrial Trucks

National Fire Prevention Association
Batterymarch Park
Quincy, Massachusetts 02269 U.S.A.

Personal Burden Carriers:
ANSI/ASME B56.8

American National Standards Institute, Inc.
1430 Broadway
New York, New York 10018 U.S.A.

Internal Combustion Engine Powered Industrial Trucks:
ANSI/UL 558

American National Standards Institute, Inc.
1430 Broadway
New York, New York 10018 U.S.A.

OR

Underwriters Laboratories Inc.
333 Pfingsten Road
Northbrook, Illinois 60062 U.S.A.

Flammable and Combustible Liquids Code:
ANSI/NFPA 30

American National Standards Institute, Inc.
1430 Broadway
New York, New York 10018 U.S.A.

OR

National Fire Prevention Association
Batterymarch Park
Quincy, Massachusetts 02269 U.S.A.

3.1 VEHICLE IDENTIFICATION NUMBER

The Vehicle Identification Number (VIN), consisting of the model number, date code and serial number are all printed on the Nameplate/Identification Decal attached to the cross member under the dash.

The serial number is also stamped on the cross member. It is located to the left of the Nameplate/Identification Decal.

NOTE: *Reference to the Front, Rear, Left and Right sides of the vehicle are always determined by the operator's seated position.*

Record the Vehicle Identification information below for easy reference.

Model Number: _____

Date Code: _____

Serial Number: _____

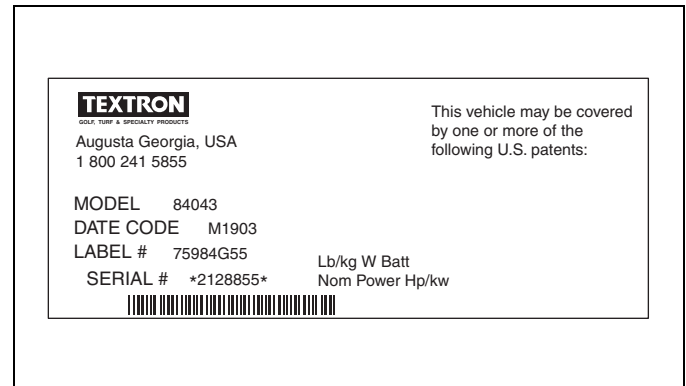


Figure 3A

Always provide the Vehicle Identification Number of the unit when ordering replacement parts or requesting service information. Vehicle Identification Numbers must appear on all correspondence concerning this vehicle.

3.2 ENGINE IDENTIFICATION NUMBERS

The Truckster is equipped with either a Perkins 3 cylinder, diesel powered, liquid cooled, four cycle engine or a Suzuki 3 cylinder, gas powered, liquid cooled, four cylinder engine.

The Engine Serial Number for the Perkins engine is stamped onto the engine block on the right side of the engine near the alternator.

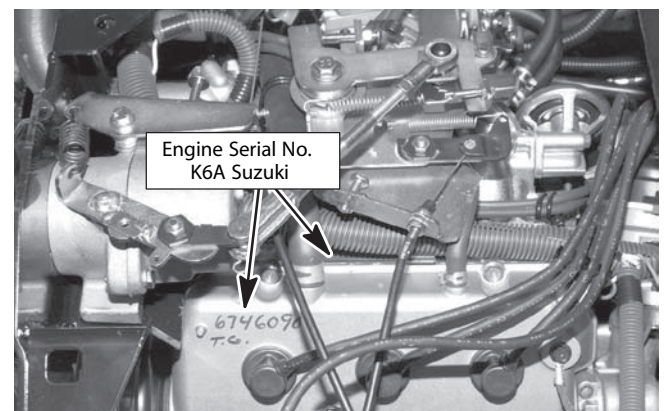
The Engine Serial Number for the Suzuki engine is stamped onto the upper engine block on the right side of the engine, under the engine mount and may be partially hidden by the electrical harness. The serial number is also hand printed on the fuel rail.

Record the Engine Serial Number below for easy reference.

Engine Serial Number: _____



Figure 3B



4 SPECIFICATIONS

4.1 PRODUCT IDENTIFICATION

84043.....	Turf Truckster liquid cooled diesel engine, 4 speed manual transmission, 2 speed differential.	898628.....	Turf Truckster liquid cooled diesel engine, 3 speed automatic transmission, 2 speed differential.
84044.....	Turf Truckster liquid cooled diesel engine, 4 speed manual transmission, 2 speed differential. EC approved.		
898627.....	Turf Truckster liquid cooled gas engine, 4 speed manual		

Product	EEC Sound Power	Vibration M/S ²	
		Arms	Body
84044	103 dB(A)	2.14	.096

4.2 ENGINE

Diesel Engine:

Make Perkins
Model 403C.11
Horsepower 26.4 hp (19.7 kW) @3000 rpm
Note: *Actual sustained horsepower will likely be lower than listed in specifications due to operating limitations and environmental factors*
Displacement 69 cu. In. (1131 cc)
Torque 49 ft. lbs. (67 Nm) @ 2600 rpm
Fuel:
Type No. 2 Diesel
Rating Min. Cetane rating 45
Capacity 6.55 U.S. Gal. (24.5 liters)
Governor..... All Speed Mechanical

Low Idle 1300 RPM
High Idle 3180 RPM
Lubrication:
Capacity..... 3.7 quarts (3.5 liters)
Below 32° F (0° C) ... SAE 10W
32-77° F (0-25° C) SAE 20W or 10W30
Above 77° F (25° C) SAE 30W or 10W30
API Classification CH4
Air Filter Dry type with evacuator valve.
Alternator 55 amp
Cooling System Liquid Cooled
Capacity..... 5.1 qt. (4.8 l) 50/50 water ethylene glycol mix

Gas Engine:

Make Suzuki
Model K6A
Horsepower 39 hp (29.1 kW) @ 4450 rpm
Displacement 40.2 cu. In. (658 cc)
Torque 45.7 ft. lbs. (62 Nm) @ 4000 rpm
Fuel:
Type Unleaded Gasoline
Rating Min. Octane rating 87
Capacity 6.55 U.S. Gal. (24.5 liters)

Governor..... External Mechanical
Low Idle 950 RPM
High Idle 4450 RPM
Lubrication:
Capacity..... 3.3 quarts (3.0 liters)
Below 32° F (0° C) ... SAE 10W30
32-86° F (0-30° C) SAE 10W30
Above 86° F (30° C) SAE 10W30W or 10W40
API Classification SJ
Air Filter Dry type with evacuator valve.
Alternator 55 amp
Cooling System Liquid Cooled
Capacity..... 3.3 qt. (3.0 l) 50/50 water ethylene glycol mix
Spark Plugs:
NGK 3932..... DCPR7E Gap .032" - .035"
Denso XU22EPR-U Gap .032" - .035"

CAUTION

The use of any fuel containing greater than 10% ethanol may harm the engine's emission control system and therefore invalidate the emission-related warranty through the improper action of the operator.

4.3 VEHICLE

Tires:
Front 20 x 10 - 10 Multi Rib
Rear 24 x 13 -12 Titan Ultra Trac
Tire Pressure:
Front 20 psi (138 kPa)
Rear Varies by load, See **Section 6.16**
Battery:
Type..... 12 Volt Lead/Acid

Group 24
 Service Brake..... 4 Wheel hydraulic drum brakes
 Brake Fluid..... DOT 3

Parking Brake Integral to rear drum, hand lever
 actuated
 Steering Front wheel power steering

4.4 GEAR RATIOS

Diesel Engine Manual Transmission Gear Ratios:

4th Gear 1.000:1
 3rd Gear 1.423:1
 2nd Gear 1.947:1
 1st Gear 3.652:1
 Reverse..... 3.463:1
 Hypoid Differential... 11.16:1

Gas Engine Manual Transmission Gear Ratios:

4th Gear 1.000:1
 3rd Gear 1.513:1

2nd Gear 2.391:1
 1st Gear 4.031:1
 Reverse 4.173:1
 Hypoid Differential ... 14.21:1

Gas Engine Automatic Transmission Gear Ratios:

3rd Gear 1.000:1
 2nd Gear 1.536:1
 1st Gear 2.727:1
 Reverse 2.222:1
 Hypoid Differential ... 14.21:1

4.5 WEIGHTS AND DIMENSIONS

Dimensions:	Inches	(mm)	Weights:	Lbs.	(kg)
Length	114	(2897)	84043	1604	(823)
Height.....	49	(1245)	84044	1604	(727)
Wheel Base.....	58.2	(1478)	898627	1572	(713)
Turning Radius (Outside).....	242	(6146)	898628	1619	(734)

4.6 ACCESSORIES & SUPPORT LITERATURE

Contact your area Jacobsen Dealer for a complete listing of accessories and attachments.



CAUTION

Use of other than Jacobsen authorized parts, excluding emission related components defined in the Emission Warranty, and accessories may cause personal injury or damage to the equipment and will void the warranty

Flatbeds and Boxes

47" Quick Disconnect Flatbed 889983
 60" Quick Disconnect Flatbed 894769
 47" Box Assembly (Requires 889983) 890010
 60" Box Assembly (Requires 894769) 2703394
 Poly Box Assembly 892530
 Box Liner (for 890010) 888532

Hitches

Fifth wheel ball hitch 894690
 Receiver Style drawbar hitch 4114386
 Flat bar style hitch 4114566

ROPS Attachments

Upper ROPS (Roll Over Protective Structure) 894761
 Steel Door, Left Side (Requires 894761) 2701303
 Steel Door, Right Side (Requires 894761) 2701304
 Outside Mirrors (Left and Right) 894768
 Rear Window 894758
 Windshield with Wiper..... 894757

Hydraulic Attachments

High/Low Gas Hydraulics..... 894712
 High/Low Diesel Hydraulics 894713
 Implement Lift ("A" Frame)..... 892493

Dry seal coupler, 1 set.....894604
 Hydraulic PTO (Requires 894712 and 894713).....894644

Truck Attachments

Heavy Duty Mechanical PTO.....4112981
 Quick Aerator.....2701529
 Ram Mount (Sprayer control mount) 4119631
 1500 Top Dresser2701650
 Turn Signal with Right Taillight894764
 VICON Spreader (Requires 2701601 or 2701602)..2701600
 VICON hydraulic power kit.....2701601
 VICON mechanical power kit.....2701602
 Back-up Alarm2703183
 Exhaust Spark Arrestor.....882574
 Heater Defroster894760

Support Literature

Safety & Operation Manual.....4140040
 Parts & Maintenance Manual.....4140039
 Service & Repair Manual

5 ADJUSTMENTS

5.1 GENERAL

WARNING

To prevent injury, depress clutch pedal and shift transmission to neutral, engage parking brake, stop engine and remove key from ignition switch before making any adjustments or performing maintenance.

Make sure the vehicle is parked on a solid and level surface. Never work on a vehicle that is supported only by the jack. Always use jack stands.

If only the front or rear of the vehicle is raised, place chocks in front of and behind the wheels that are not raised.

1. Adjustments and maintenance should always be performed by a qualified technician. If proper

adjustment cannot be made, contact an authorized Jacobsen Dealer.

2. Replace, do not adjust, worn or damaged components.
3. Long hair, jewelry or loose fitting clothing may get tangled in moving parts.

CAUTION

Be careful to prevent entrapment of the hands and fingers between moving and fixed components of the machine.

4. Do not change governor settings or overspeed the engine.

5.2 ENGINE ACCESS

Never remove or install the engine cover while the engine is running. The engine cover is a *machinery guard* and its removal exposes you to moving parts. Keep hands, hair and clothing away from flywheel, radiator cooling fan, alternator fan, engine belts, pulleys and air intake.

WARNING

Keep clothing, hands and hair away from moving parts. These items could become entangled, causing serious personal injury.

For servicing the engine and related components, the engine cover can be tilted forward or removed.

To gain access to the engine, unlock key-lock if installed, push the engine cover latch towards the rear of the unit and tilt cover forward.

When replacing the engine cover, make sure the retaining tabs located at the front corners of the engine cover are inserted into the slots in the floorboard. Tilt seat to the rear until the engine latch engages. Lock key-lock if equipped.

WARNING

Failure to latch the seat properly can result in the engine cover tipping forward causing loss of control of the vehicle and possible personal injury.

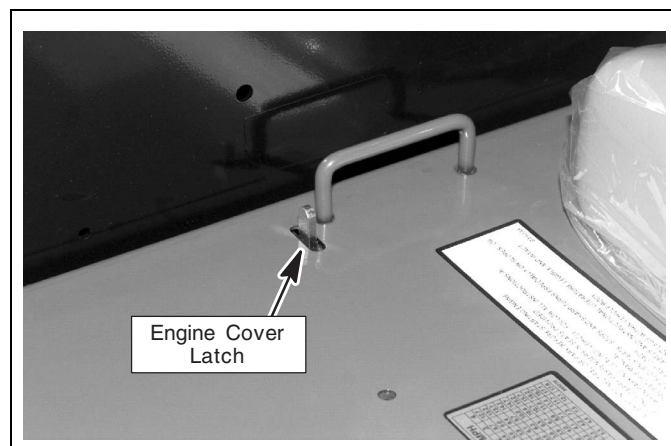


Figure 5A

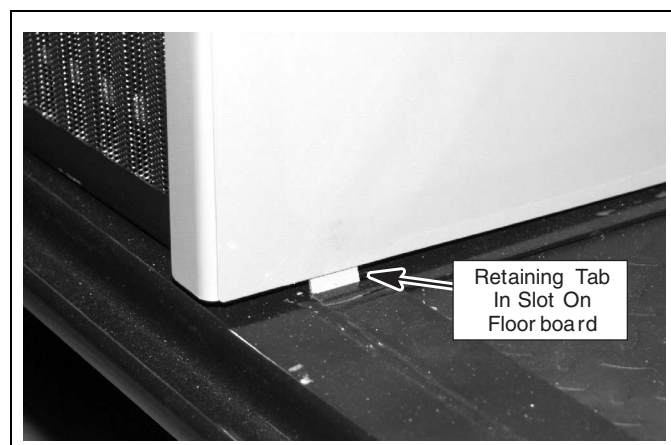


Figure 5B

5.3 FRONT COWL ACCESS

The front cowl opens to gain access to two access panels, fuse panel, horn and master cylinder reservoir.

To open the front cowl, locate the release lever at the upper left corner of front clip, near the left side headlight.

Pull the lever toward the headlight to release the front cowl latch and at the same time pull up on the front cowl.

Fully open the cowl and allow it to rest on the steering wheel or upper ROPS structure (if installed).

The front cowl will not “spring up” when the release lever is pulled, it must be lifted manually.

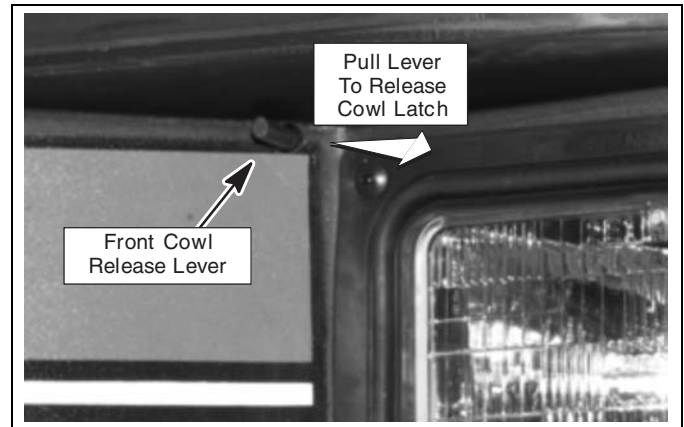


Figure 5C

5.4 ACCESS PANELS

There are two access panels located under the front cowl and one located in the middle of the floorboard.

Remove panel (A) under cowl to access the shifter linkage and wiring for the instrument panel.

Remove panel (B) under cowl to access the front suspension.

Remove the center panel (C) in the middle of floorboard to access the throttle cable, accelerator pedal linkage, wire harness and rear hydraulic brake line.

NOTE: *It will be necessary to remove the accelerator pedal in order to completely remove the center floorboard panel.*

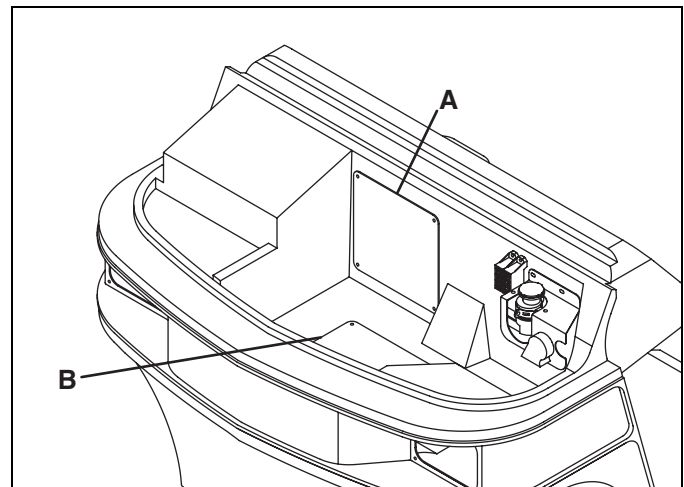


Figure 5D

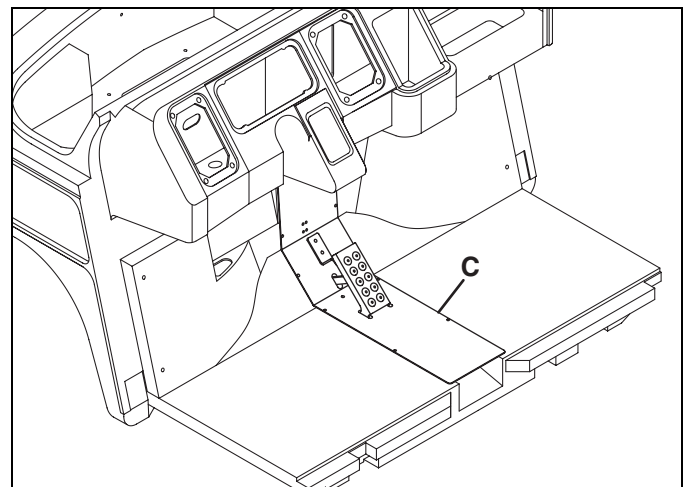


Figure 5E

5 ADJUSTMENTS

5.5 DIESEL ENGINE ALTERNATOR BELT

Inspect and adjust new belt after first 24-48 hours of operation. Adjust every 200 hours thereafter.

Adjust alternator pulley so belt deflects 1/4" to 1/2" (6 -12 mm) with a 20 lb. push at midpoint between water pump and alternator pulleys.

If tension is incorrect, loosen alternator mounting bolts **(D)** and adjust alternator until proper belt tension is achieved.

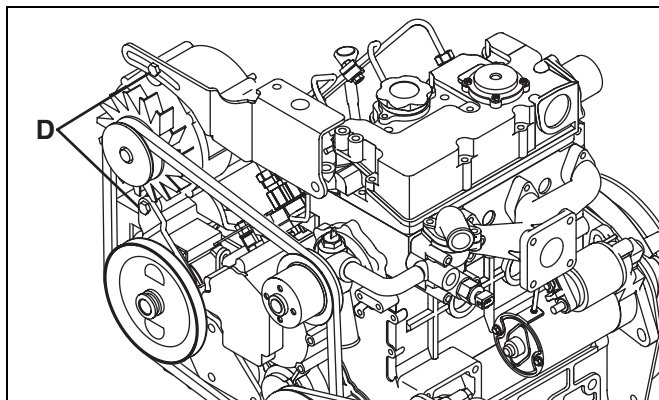


Figure 5F

5.6 DIESEL ENGINE HYDRAULIC PUMP BELT

Inspect and adjust new belt after first 24-48 hours of operation. Adjust every 200 hours thereafter.

Adjust hydraulic pump belt so belt deflects 1/4" to 1/2" (6 -12 mm) with a 20 lb. push at midpoint between pulleys.

If tension is incorrect, loosen pump mounting bolts **(E)** and carefully pry away from the engine until proper belt tension is achieved.

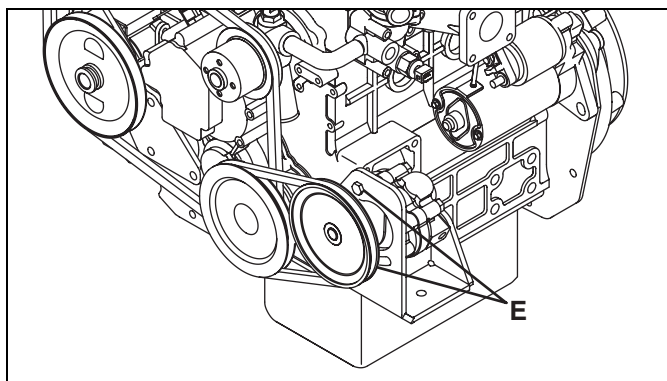


Figure 5G

5.7 GAS ENGINE POWER STEERING-ALTERNATOR BELT

Inspect and adjust new belt after first 24-48 hours of operation. Adjust every 200 hours thereafter.

Adjust power steering pump so belt deflects 1/4" to 1/2" (6 -12 mm) with a 20 lb. push at midpoint between pulleys.

If tension is incorrect, loosen power steering pump mounting bolts **(F)** and carefully pry away from the engine until proper belt tension is achieved.

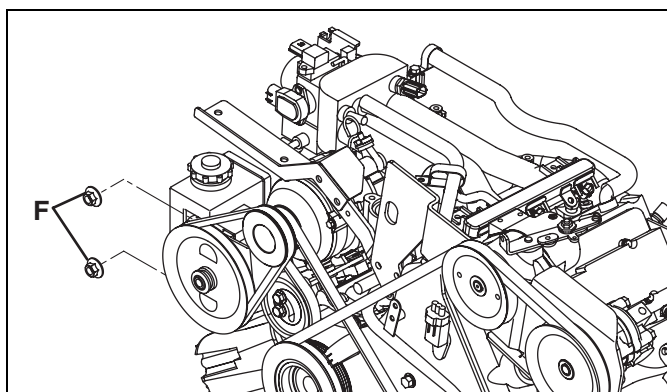


Figure 5H

5.8 GAS ENGINE HYDRAULIC PUMP BELT

Inspect and adjust new belt after first 24-48 hours of operation. Adjust every 200 hours thereafter.

Adjust hydraulic pump belt so belt deflects 1/4" to 1/2" (6 -12 mm) with a 20 lb. push at midpoint between pulleys.

If tension is incorrect, loosen pump mounting bolts (**G**) and carefully pry away from the engine until proper belt tension is achieved.

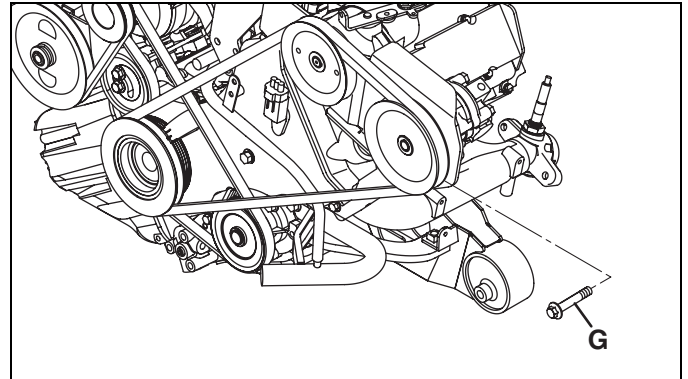


Figure 5I

5.9 PARKING BRAKE CABLE

1. Remove the engine cover. Put chocks in front of and behind at least two wheels at opposite corners of vehicle.
2. Engage parking brake. If handle is at an angle greater than 45° to the panel, adjustment is required.
3. Disengage parking brake.
4. Tighten adjustment nut (**E**) a couple of turns.
5. Engage parking brake. Repeat steps 3 and 4 until handle is at approximately a 45° angle when parking brake is engaged.

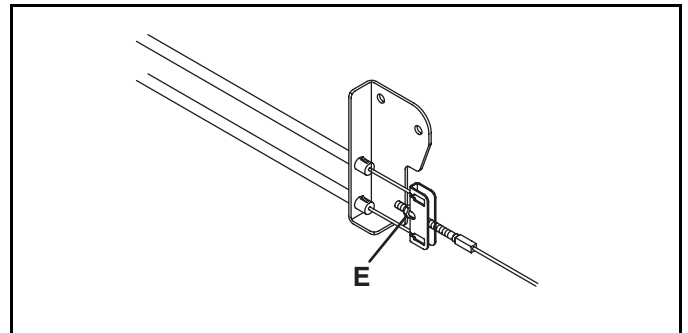


Figure 5J

5 ADJUSTMENTS



5.10 TORQUE SPECIFICATION



CAUTION






All torque values included in these charts are approximate and are for reference only. Use of these torque values is at your sole risk. Jacobsen is not responsible for any loss, claim, or damage arising from the use of these charts.

Extreme caution should always be used when using any torque value.

Jacobsen uses Grade 5 bolts as standard, unless otherwise noted.

SIZE	UNITS	 GRADE 5	 GRADE 8
#6-32	in-lbs (Nm)	20 (2.3)	—
#8-32	in-lbs (Nm)	24 (2.7)	30 (3.4)
#10-24	in-lbs (Nm)	35 (4.0)	45 (5.1)
#10-32	in-lbs (Nm)	40 (4.5)	50 (5.7)
#12-24	in-lbs (Nm)	50 (5.7)	65 (7.3)
1/4-20	in-lbs (Nm)	95 (10.7)	125 (14.1)
1/4-28	in-lbs (Nm)	95 (10.7)	150 (17.0)
5/16-18	in-lbs (Nm)	200 (22.6)	270 (30.5)
5/16-24	in-lbs (Nm)	240 (27.1)	300 (33.9)
3/8-16	ft-lbs (Nm)	30 (40.7)	40 (54.2)
3/8-24	ft-lbs (Nm)	35 (47.5)	45 (61.0)

SIZE	UNITS	 GRADE 5	 GRADE 8
7/16-14	ft-lbs (Nm)	50 (67.8)	65 (88.1)
7/16-20	ft-lbs (Nm)	55 (74.6)	70 (94.9)
1/2-13	ft-lbs (Nm)	75 (101.7)	100 (135.6)
1/2-20	ft-lbs (Nm)	85 (115.3)	110 (149.2)
9/16-12	ft-lbs (Nm)	105 (142.4)	135 (183.1)
9/16-18	ft-lbs (Nm)	115 (155.9)	150 (203.4)
5/8-11	ft-lbs (Nm)	150 (203.4)	195 (264.4)
5/8-18	ft-lbs (Nm)	160 (217.0)	210 (284.8)
3/4-10	ft-lbs (Nm)	170 (230.5)	220 (298.3)
3/4-16	ft-lbs (Nm)	175 (237.3)	225 (305.1)
7/8-14	ft-lbs (Nm)	300 (406.8)	400 (542.4)

SIZE	UNITS	 4.8	 5.8	 8.8	 10.9	 12.9	Non Critical Fasteners into Aluminum
M4	Nm (in-lbs)	1.2 (11)	1.7 (15)	2.9 (26)	4.1 (36)	5.0 (44)	2.0 (18)
M5	Nm (in-lbs)	2.5 (22)	3.2 (28)	5.8 (51)	8.1 (72)	9.7 (86)	4.0 (35)
M6	Nm (in-lbs)	4.3 (38)	5.7 (50)	9.9 (88)	14.0 (124)	16.5 (146)	6.8 (60)
M8	Nm (in-lbs)	10.5 (93)	13.6 (120)	24.4 (216)	33.9 (300)	40.7 (360)	17.0 (150)
M10	Nm (ft-lbs)	21.7 (16)	27.1 (20)	47.5 (35)	66.4 (49)	81.4 (60)	33.9 (25)
M12	Nm (ft-lbs)	36.6 (27)	47.5 (35)	82.7 (61)	116.6 (86)	139.7 (103)	61.0 (45)
M14	Nm (ft-lbs)	58.3 (43)	76.4 (55)	131.5 (97)	184.4 (136)	219.7 (162)	94.9 (70)

6.1 GENERAL



WARNING

Before you clean, adjust, or repair this equipment, depress clutch pedal and shift transmission to neutral, engage parking brake, stop engine and remove key from ignition switch to prevent injuries

Make sure the vehicle is parked on a solid and level surface. Never work on a vehicle that is supported only by the jack. Always use jack stands.

1. Adjustment and maintenance should always be performed by a qualified technician. If proper adjustments cannot be made, contact an Authorized Jacobsen Dealer.
2. Inspect the equipment on a regular basis, establish a maintenance schedule and keep detailed records.
3. Long hair, jewelry or loose fitting clothing may get tangled in moving parts.
4. Use the illustrations in the Parts Catalog as reference for the disassembly and reassembly of components.
5. Recycle or dispose of all hazardous materials (batteries, fuel, lubricants, anti-freeze, etc.) according to local, state or federal regulations.
- a. Keep the equipment clean.
- b. Keep all moving parts properly adjusted and lubricated.
- c. Replace worn or damaged parts before operating the machine.
- d. Keep all fluids at their proper levels.
- e. Keep shields in place and all hardware securely fastened.
- f. Keep tires properly inflated.

6.2 ENGINE

IMPORTANT: A separate Engine Manual, prepared by the engine manufacturer, is supplied with this vehicle. Read the engine manual carefully until you are familiar with the operation and maintenance of the engine. Proper attention to the engine manufacturer's directions will assure maximum service life of the engine. To order replacement engine manuals contact the engine manufacturer.

The proper break-in of a new engine can make a considerable difference to the performance and life of the engine.

Note: The vehicle is designed to operate most efficiently at the preset governor setting. Do not change the engine governor settings or overspeed the engine.

During the break-in period, Jacobsen recommends the following:

1. During the first 50 hours of operation, a new engine should be allowed to reach an operating temperature of at least 140°F (60°C) prior to operation at full load.
2. Check the engine oil level twice daily during the first 50 hours of operation. Higher than normal oil consumption is not uncommon during the initial break-in period.
3. Change engine oil and oil filter element after first 35 hours of operation.
4. Check and adjust hydraulic pump and alternator belts.
5. Refer to Section 8.3 and Engine Manual for specific maintenance intervals.

6. If the injection pump, injectors or the fuel system require service, contact an authorized Jacobsen Dealer.

Keep your engine clean. If dirt has accumulated on the engine, it should be washed with a non-flammable solvent or strong detergent.

When washing becomes necessary, it can be carried out simultaneously when servicing the vehicle.

In order to maintain reliable service from your engine, a regular check-up and maintenance schedule should be followed. Proper maintenance will prolong the engine's life and avoid premature overhaul.

6 MAINTENANCE

6.3 ENGINE OIL

Check the engine oil at the start of each day, before starting the engine.

To check the engine oil, remove the dipstick and wipe it with a clean rag. Reinsert the dipstick until it contacts the oil tube, remove the dipstick and read the oil level.

The oil level should always be between the ADD and FULL mark on the dipstick. If oil level is below the add mark, remove filler cap and add oil to bring the level up between marks. *Do Not Overfill.*

NOTE: *If the engine has recently been running, allow time (with engine turned off) to let the oil settle to obtain a correct oil level reading.*

Diesel Engine: Use only engine oils with API classification CH4.

Gas Engine: Use only engine oils with API classification SJ.

Using oil other than the service class listed, or oil change intervals longer than recommended could reduce engine life. Damage to engine due to improper maintenance or use of incorrect oil quality and/or viscosity is not covered by the engine warranty.

Diesel Engine: Perform initial oil change after first 35 hours of operation and every 75 hours or two months thereafter. See Engine Manual.

Gas Engine: Perform initial oil change after first 50 hours of operation and every 100 hours or three months thereafter. See Engine Manual.

Significant oil loss can damage the engine. Considerable oil loss could be due to a loose or incorrectly installed drain plug, cracked gaskets, or even a loose oil filter.

Drain plugs are located beneath the engine in the oil pan. Remove both plugs when changing the oil.

Check drain plugs and oil for metal chips that could indicate engine damage. Replace drain plugs with damaged gasket surfaces immediately.

After oil has completely drained, clean excess oil from oil pan and drain plugs. Install drain plugs and tighten securely. Refer to engine manual for proper torque.

Always replace the engine oil filter when changing the engine oil. Apply a light coat of engine oil to the rubber gasket surface of new filter before installing.

Diesel Engine: Fill Perkins engine with approximately 3.7 qts. (3.5 l) of clean engine oil. Check oil level and add additional oil if required.

Gas Engine: Fill Suzuki engine with approximately 3.3 qts. (3.0 l) of clean engine oil. Check oil level and add additional oil if required.

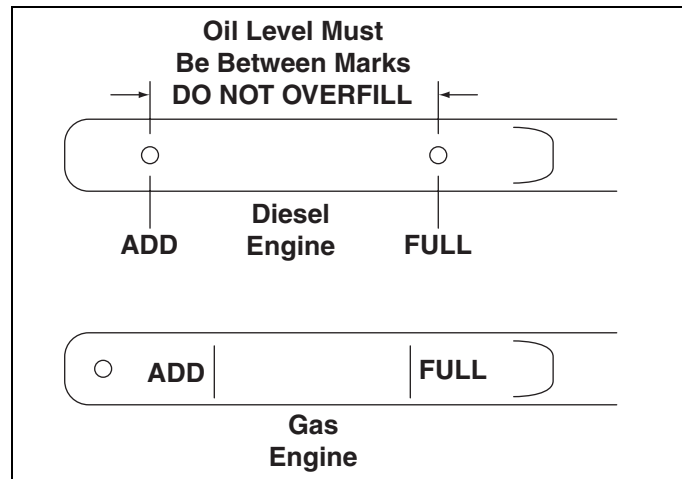


Figure 6A

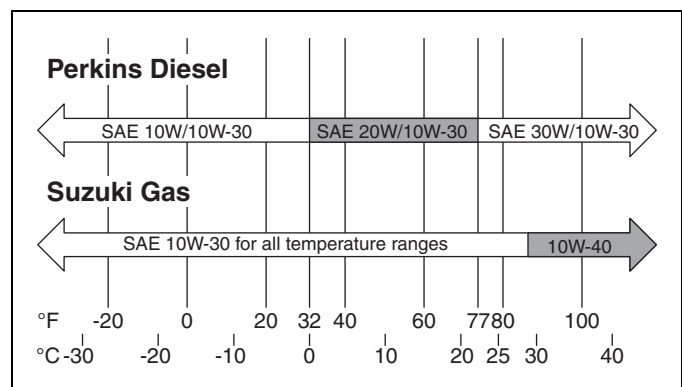


Figure 6B

Diesel Engine:

Above 77°F (25°C)	SAE 30W or SAE10W30
32 to 77°F (0 to 25°C)	SAE 20W or SAE 10W30
Below 32° (0°C)	SAE10W or SAE 10W30

Gas Engine:

All temperature ranges	SAE 10W30
Above 85° F (29° C)	SAE 10W 40

Replacement Oil Filters

Perkins Diesel	842553
Suzuki Gas	2701908

6.4 POWER STEERING RESERVOIR

WARNING

Before servicing or doing any maintenance work around the engine area, make sure the engine has had time to cool. Serious burns can result if the engine or surrounding surfaces are hot.

The power steering reservoir is located on the right side of the engine, below the alternator.

The level in the reservoir should be checked after the first 35 and 70 hours. After that level should be checked every 100 hours.

When checking the fluid level before the engine has been warmed up, the level should be at the COLD mark on the dipstick. After the engine has been warmed up and the fluid is warm, the level should be between the COLD and HOT marks. Use General Motors Power Steering Fluid as required to bring fluid up to proper level.

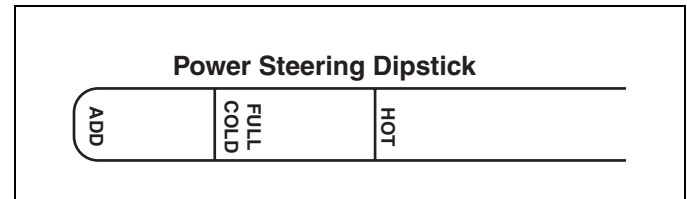


Figure 6C

6.5 MUFFLER AND EXHAUST

WARNING

Exhaust fumes contain carbon monoxide that is toxic and can be fatal when inhaled.

NEVER operate an engine without proper ventilation.

To protect from carbon monoxide poisoning, inspect the complete exhaust system regularly and always replace a defective muffler.

If you notice a change in the color or sound of the exhaust, stop the engine immediately. Identify the problem and have the system repaired.

Torque all exhaust manifold hardware evenly. Tighten or replace exhaust clamps.

6.6 ENGINE OVERHEAT PROCEDURE

During vehicle operation, if the water temperature gauge shows 230° F (110° C) or above, and/or the overheat warning buzzer sounds, follow this procedure.

1. **Stop** the vehicle. **DO NOT shut the engine off.** Place vehicle in neutral and engage the parking brake.
2. Immediately disengage any accessories that are operating.
3. Slow the engine speed to a fast idle.
4. Remove any dirt, chaff, debris, etc. from the radiator intake screen located on the right side of the vehicle.

Temperature gauge needle should start to go down approximately 30 seconds after the screen is cleaned. If temperature does not go down, STOP the engine and check the following.

1. Check to see if cooling fan is operating. Fan should be turning with coolant above 180° F, even with ignition switch in OFF position.
2. Check engine oil level.
3. Check for a leak in the cooling system. **Do not** open radiator when hot. Check coolant levels after system completely cools.

Failure to heed the overheat warning and properly maintain the cooling system will cause permanent engine damage.

CAUTION

Be careful when opening the engine access cover or cleaning the intake screen. Metal surfaces near the radiator and engine may be hot to the touch. Use a brush or gloves to clean screen.

6 MAINTENANCE

6.7 COOLING SYSTEM

This vehicle is equipped with a radiator, temperature controlled fan, temperature gauge and an overheat buzzer.



WARNING

To prevent serious bodily injury from hot coolant or steam blow-out, never attempt to remove the radiator cap while the engine is running. Stop the engine and wait several hours until it is cool. Even then, use extreme care when removing the cap.



CAUTION

Do not pour cold water into a hot radiator. Do not operate engine without a proper coolant mixture. Install cap and tighten securely.



WARNING

The cooling fan is controlled by a temperature switch and may start at any time coolant temperature is above 150° F (65 ° C), even with the ignition switch in the OFF position. Do not attempt to service the cooling system without first disconnecting the negative battery cable or removing the fan fuse.

NEVER add straight antifreeze to the radiator. Mix equal amounts of clean water with ethylene glycol based anti-freeze in a separate container before adding it to the cooling system. Do not use a mixture of more than 50% antifreeze.

Always recycle or dispose of used antifreeze in a responsible manner. Used antifreeze can be harmful to the environment.

1. Check coolant level daily. Radiator should be full and recovery bottle should be up to the **cold** mark.
 - a. Tilt engine cover forward to gain access to the radiator.
 - b. With the engine stopped and cool, remove radiator cap and check coolant level. The coolant level should be at or within 1/4 in. (6 mm) of the filler port. Fill with a 50/50 antifreeze/water mixture if required.
 - c. Visually check the reservoir tank. Coolant level should be at or above **FULL** line but less than 4 in. (102 mm). Add a 50/50 antifreeze/water mixture if required.
2. Drain and refill cooling system every 400 hours or 9 months, whichever comes first. Allow system to cool before draining.
 - a. Remove the cooling fan fuse
 - b. Remove the radiator cap.
 - c. Open the engine block drain and the radiator drain. Remove lower radiator hose. Close both drains and install lower radiator hose once system has completely drained.
 - d. Empty and clean the recovery bottle.
 - e. Fill radiator to the bottom of the filler neck with 50/50 antifreeze/water mixture.
 - f. Fill recovery bottle to full mark with 50/50 antifreeze/water mixture.
3. Keep radiator air passages clean. Use compressed air (30 psi maximum) to clean the fins. Water left between the fins will collect dirt and reduce the amount of air flow to properly cool the engine.
4. To provide proper air flow, do not obstruct the air intake screen on the right side of the vehicle. Keep screen clean.
5. Check and tighten the fan belt. Replace clamps and hoses every two years.
6. If you have to add coolant more than once a month, or add more than one quart at a time, have a authorized Jacobsen Dealer check the cooling system.

6.8 AIR FILTER

Do not remove the element for inspection or cleaning. Unnecessary removal of the filter increases the risk of injecting dust and other impurities into the engine.

When service is required, first clean the outside of the filter housing; then remove the old element as gently as possible and discard.

1. Carefully clean the inside of the filter housing without allowing dust into the air intake.
2. Inspect the new element. Do not use a damaged element and never use an incorrect element.
3. Assemble the new element and make sure it seats properly.
4. Reassemble cap making sure it seals completely around the filter housing. Dust evacuator **(A)** must be facing down.
5. Check all hoses and air ducts. Tighten hose clamps.

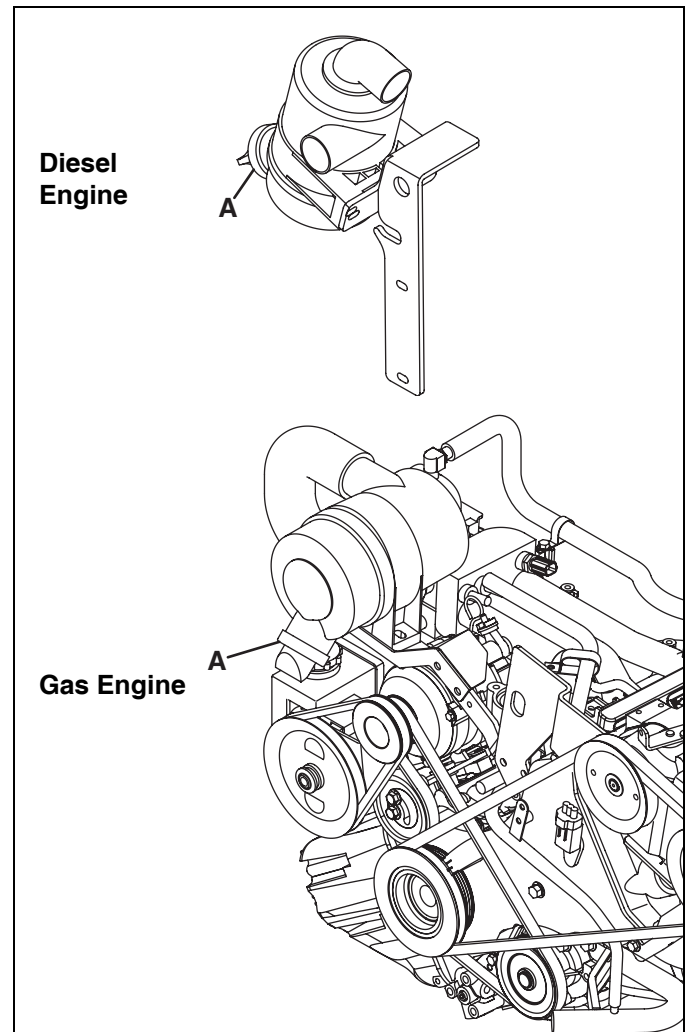


Figure 6D

6.9 JUMP STARTING

Before attempting to “jump start” the vehicle, check the condition of the discharged battery.

Engage parking brake of both vehicles, shift transmission to neutral and turn off all electrical loads



WARNING

Batteries generate explosive hydrogen gas. To reduce the chance of an explosion, avoid creating sparks near battery. Always connect the negative jumper cable to the frame of the vehicle with the discharged battery, away from the battery.

2. Connect RED jumper cable to the positive (+) terminal on the good battery and to the positive (+) terminal on the “discharged” battery.
3. Connect the BLACK jumper cable from the negative (-) terminal on the good battery to the frame of the vehicle with the discharged battery.

After cables have been connected, start the engine on the vehicle with the good battery then start the vehicle.

When connecting jumper cables:

1. Stop the engine on the vehicle with a good battery.

6 MAINTENANCE

6.10 BATTERY

Make absolutely certain the ignition switch is “Off” and the key has been removed before servicing the battery.



CAUTION

Always use insulated tools, wear protective glasses or goggles and protective clothing when working with batteries. You must read and obey all battery manufacturer’s instructions.

Tighten cables securely to battery terminals and apply a light coat of silicone dielectric grease to terminals and cable ends to prevent corrosion. Keep vent caps and terminal covers in place.

Keep the top of the battery clean and free of corrosion by washing with a solution of baking soda and water. Rinse with clean water.

Verify battery polarity before connecting or disconnecting the battery cables.

1. When installing the battery, always assemble the RED, positive (+) battery cable first and the ground, BLACK, negative (-) cable last.
2. When removing the battery, always remove the ground, BLACK, negative (-) cable first and the RED, positive (+) cable last.
3. Make sure battery is properly installed and secured to the battery tray.



WARNING

Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. **Wash your hands after handling.**

6.11 CHARGING BATTERY



WARNING

Charge battery in a well ventilated area. Batteries generate explosive gases. To prevent an explosion, keep any device that may create sparks or flames away from the battery.

To prevent injury, stand away from battery when the charger is turned on. A damaged battery could explode.

1. Refer to Section 6.10. Read the Battery and Charger’s manual for specific instructions.
2. Whenever possible, remove the battery from the vehicle before charging. If battery is not sealed, check that the electrolyte covers the plates in all the cells.

Battery cables must be disconnected before using a “fast charger” or damage to the alternator may result.

3. Make sure the charger is “Off”. Then connect the charger to the battery terminals as specified in the charger’s manual.
4. Always turn the charger “Off” before disconnecting charger from the battery terminals.

6.12 HYDRAULIC HOSES

WARNING

To prevent serious injury from hot, high pressure oil, never use your hands to check for oil leaks, use paper or cardboard.

Hydraulic fluid escaping under pressure can have sufficient force to penetrate skin. If fluid is injected into the skin it must be surgically removed within a few hours by a doctor familiar with this form of injury or gangrene may result.

1. Always disengage all drives, engage parking brake, stop engine and remove key before inspecting or disconnecting hydraulic lines or hoses.
2. Check visible hoses and tubes daily. Look for wet hoses or oil spots. Replace worn or damaged hoses and tubes before operating the machine.
3. The replacement tube or hoses must be routed in the same path as the existing hose, do not move clamps, brackets and ties to a new location.
4. Thoroughly inspect all tubes, hoses and connections every 250 hours.

IMPORTANT: The hydraulic system can be permanently damaged if the oil becomes contaminated. Before disconnecting any hydraulic component, clean the area around the fittings and the hose ends to keep impurities out of the system.

- a. Before disconnecting any hydraulic component, tag or mark the location of each hose then clean the area around the fittings.
- b. As you disconnect the component, be prepared to assemble plugs or caps to the hose ends and open ports. This will keep impurities out of the hydraulic system and also prevent oil spills.
- c. Make sure "O" rings are clean and hose fittings are properly seated before tightening.
- d. Keep the hose from twisting. Twisted hoses can cause couplers to loosen as the hose flexes during operation resulting in oil leaks.
- e. Kinked or twisted hoses can restrict the oil flow causing the system to malfunction and the oil to overheat and also lead to hose failure.

6.13 HYDRAULIC RESERVOIR AND FILTER

Refer to Section 8.3 for specific maintenance intervals.

Normally the hydraulic system will not need additional fluid. Sometimes a leak may develop causing the system to require repair and refilling. If you notice a hydraulic fluid escaping when the system is being used or if a leak is suspected, **turn off all hydraulic functions and stop the engine.**

Periodically check the hydraulic fluid level (hydraulic level should be checked every **100 hours** of operation). Loss of fluid can signal a small leak before it becomes worse.

To check the fluid level:

1. Place vehicle on a flat and level surface. FULLY lower any accessory attachment, including the dump box. Stop the vehicle engine.
2. Remove the dipstick/breather tube from the top of the tank. Wipe the dipstick, then place in tank with the threaded flange resting on the tank (do not screw in), Fluid should show on the knurled portion of the dipstick.

The hydraulic system is protected by one 10 micron filter (A). The filter is located under the side console, near the parking brake lever.

To replace hydraulic oil filter:

1. Remove the old filter.
2. Fill new filter with oil then install new filter. Hand tighten only.
3. Operate engine at idle speed with hydraulic system in neutral for five minutes.
4. Check hydraulic oil level and fill to knurled mark on gauge.

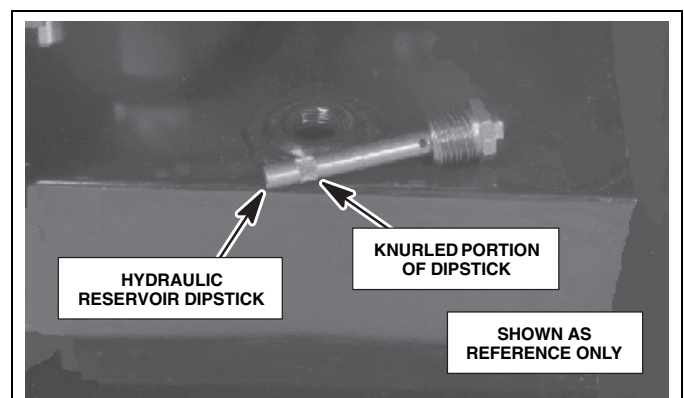


Figure 6E

6 MAINTENANCE

6.14 FUEL

Handle fuel with care - it is flammable and highly explosive under certain conditions. Use an approved container, the spout must fit inside the fuel filler neck. Avoid using cans and funnels to transfer fuel.



WARNING

Remove the fuel cap slowly. Fuel may be under pressure. Spray could cause serious injury.

Never remove the fuel cap from the fuel tank, or add fuel, when the engine is running or while the engine is hot.

Do not smoke when handling fuel. Never fill or drain the fuel tank indoors.

Do not spill fuel and clean spilled fuel immediately.

Never handle or store fuel containers near an open flame or any device that may create sparks and ignite the fuel or fuel vapors.

Be sure to reinstall and tighten fuel cap securely.

1. Fill the fuel tank to within 1 in. (25 mm) of the bottom of the filler neck.
2. Store fuel according to local, state or federal ordinances and recommendations from your fuel supplier.
3. Never overfill or allow the tank to become empty. Check fuel level in the tank by turning the ignition switch to the ON position and reading the level indicated by the fuel gauge.

4. Check fuel lines and clamps every 50 hours. Replace fuel lines and clamps at the first sign of damage.
5. The fuel tank capacity is 6.5 gal. (24.5 l). Fill tank using the following fuel recommendations:

Diesel Engine

- a. Use clean, fresh, #2 Diesel fuel when operating temperature is above 20° F (-7° C). Minimum Cetane rating 45.
- b. Use clean, fresh, #1 Diesel fuel when operating temperature is below 20° F (-7° C). If #1D fuel is not available, a winterized blend of #1D and #2D may be available. This blended fuel is usually called #2D and may be used in colder climates. Do not use #2D unless you are sure it has been **winterized**. Cold temperatures may cause it to thicken, which will keep your vehicle from running.
- c. **DO NOT** use Aviation Fuel JP4. Refer to Engine Manual for additional information.

Gas Engine: Use clean fresh Unleaded Gasoline, 87 octane or higher.

CAUTION

The use of any fuel containing greater than 10% ethanol may harm the engine's emission control system and therefore invalidate the emission-related warranty through the improper action of the operator.

6.15 FUEL SYSTEM

Then Perkins diesel engine in the Truckster is self priming. It is not required to purge air from the system.

Refer to Section 8.3 for specific maintenance intervals.

Before replacing any filter, thoroughly clean the filter housing and the area around the filter. Dirt must not be allowed to enter into fuel system.

6.16 TIRE PRESSURE

Keep tires properly inflated to prolong tire life. Check inflation pressure while the tires are cool. Inspect tread wear.

Lower pressure will help avoid leaving tire marks in soft turf. Higher pressures may be required for heavier loads. Rear tire pressure must be set at 28 psi (193 kPa) when operating with a full load. *Never* exceed the maximum pressure indicated on the tire.

Check the pressure with an accurate, low pressure tire gauge. Due to the low volume of air needed, over-inflation may be reached in a matter of two to three seconds.

Keep tires inflated to:

Front - 20 psi - (138 kPa)
Rear - Varies, determined by load. (See Chart)

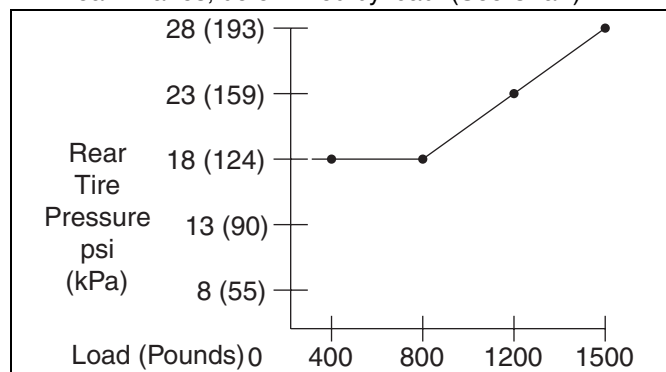


Figure 6F

6.17 TIRE REMOVAL AND INSTALLATION

Removal:

1. Park the vehicle on a flat and level surface. Apply parking brake, shut off engine and shift transmission to 1st gear.
2. Refer to **Section 6.18** for proper lifting procedures. Always use jack stands, never rely only on a jack for support.

Raise the vehicle only enough to remove the tire. Never place feet hands or any part of your body under the vehicle when raising it.

3. Remove the wheel retaining nuts and remove wheel and tire assembly from the hub.
4. Perform required service on tire.



CAUTION

Unless you have the proper training, tools and experience, **DO NOT** attempt to mount a tire on a rim. Improper mounting can produce an explosion which may result in serious injury.

Installation:

1. Remove dirt, grease and oil from stud thread. Do not lubricate threads.
2. Position wheel on hub and inspect to insure full contact between mounting surface of wheel and hub or brake drum. Make sure valve stem is located towards the outside. Finger tighten all hardware then torque hardware in criss-cross order; always tighten nuts in the top position.
3. Check and retorque daily until torque is maintained, 70-100 ft.lbs. (95-140 Nm)

6.18 RAISING THE VEHICLE



WARNING

Make sure the vehicle is parked on a solid and level surface. Never work on a vehicle that is supported only by the jack. Always use jack stands.

Whenever possible empty the sprayer tank before raising the vehicle. Liquid moving inside the tank can cause an unbalanced load that could tip the vehicle.

Never raise the vehicle with the engine running or with a person sitting in the operator's seat.

Always block the tire diagonally opposite the tire being raised.

Never place hands, feet or any part of your body under the vehicle when raising it with a hoist or is not properly supported by jack stands.

A scissors type jack or a floor jack with a 1-1/2 ton (minimum) capacity that can be lowered to 3-3/8" (86 mm) height is required. Refer to figure for jacking locations.

Shift the transmission into 1st gear and apply the parking brake. Chock or block the tire diagonally opposite the side being raised. Raise the vehicle only enough to perform maintenance required.

Jack the vehicle to the appropriate height and place jack stands or equivalent support beneath the frame near the jack. Lower the jack and allow the vehicle to rest on jack stands.

When using a hoist to raise the vehicle, use the same procedure for supporting the frame and blocking the tires as you would when using a jack.

To prevent damage to the vehicle or attached accessory, never use a hoist to raise only one corner of the vehicle. Always raise **BOTH** front or rear corners equally.

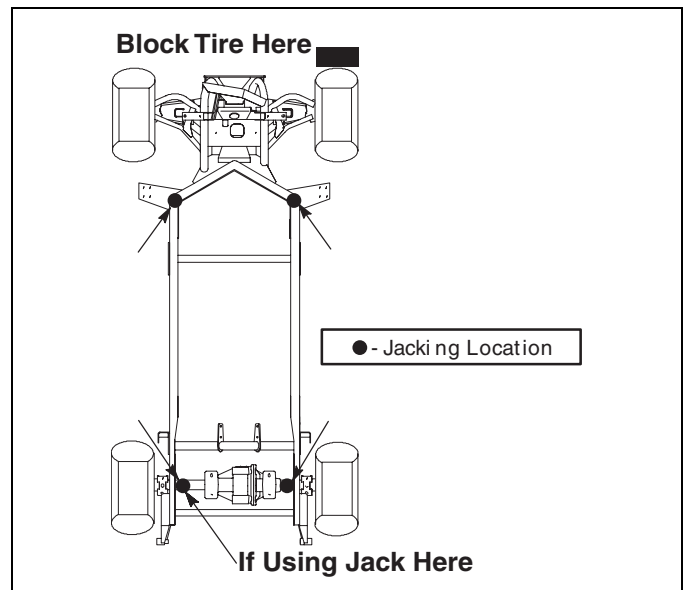


Figure 6G

6 MAINTENANCE

6.19 TOWING THE VEHICLE

WARNING

To prevent injury or vehicle damage, the following guidelines should always be followed.

- **Never** accelerate or stop suddenly when towing a vehicle.
- **Never** change the direction of the vehicle abruptly or make sharp turns on an incline when towing a vehicle.
- **Never** tow the vehicle faster than 5 m.p.h. (8 km/h). Towing at excessive speed could cause either vehicle to lose proper steering control
- Adjust your speed for weather and surface conditions when towing (rain, snow, ice, hills, etc.).

If for any reason the vehicle needs to be towed, follow the procedures below.

1. If towing the vehicle with a tow-rope or chain, an operator is required to steer the vehicle and to control the brakes.
2. Attach a tow-rope only to the front vertical frame member on either side of the vehicle.
3. Shift transmission Neutral and release parking brake.

4. Slowly drive towing vehicle forward until tow-line is pulled tight.
5. While towing, try to keep the tow light taught at all times. Be careful going down inclines and turning corners.

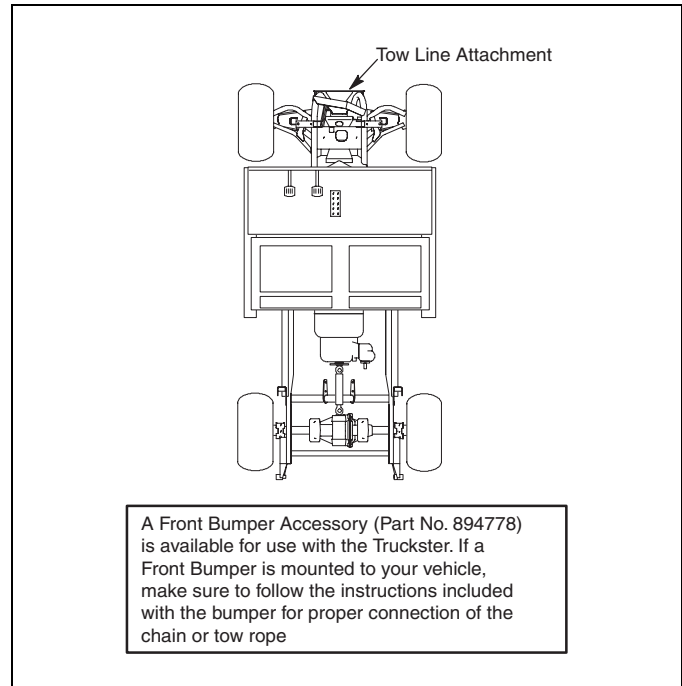


Figure 6H

6.20 GOVERNOR OIL LEVEL

Suzuki Gas Engine only

Check the oil level in the governor every 100 hours of use. To check the level, remove the plug from the back side of the governor. Oil level should be up to the level of the plug opening.

Governor Oil Capacity 1.5 oz. (44 ml)

Oil Type SAE 20W engine Oil

If fluid level is low, add the recommended oil type.

Remove the plug from the rear of the governor, remove the plug from the top of the governor and add a SAE 20W motor oil until the oil begins to leak from the rear port. Replace both plugs.

When replacing the plugs, use teflon tape or a Permatex 20 sealant (or equivalent pipe thread sealant) on the threads of the plug.

Torque the plugs to 95 ±10 in. lb.

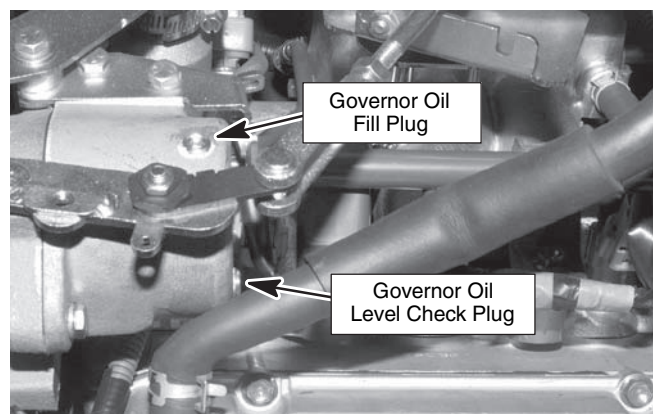


Figure 6I

6.21 HYDRAULIC BRAKES

WARNING

Improper maintenance of the brake system may result in loss of vehicle control by the operator. Losing control of the vehicle due to brake loss may cause injury to the operator or bystanders and vehicle damage.

This vehicle is equipped with four wheel hydraulic brakes controlled by the brake pedal and a hand operated parking brake lever.

Keep your brake system clean and properly maintained. Do not operate the Spraytek if the brakes do not stop vehicle properly.

The brake fluid master cylinder reservoir is located under the front cowl.

The fluid level in the master cylinder reservoir must be kept between the MIN (minimum) and MAX (maximum) marks. Add DOT 3 type brake fluid as required.

If the brake fluid indicator light comes on and remains on, check the fluid level in the reservoir.

Bleeding Hydraulic Brakes:

If the brakes do not hold properly, if they feel spongy or if the brake fluid reservoir is allowed to “run-dry”, it may be required to bleed the system in order to remove air from the brake lines.

1. Bleed the brakes in the following order, Left Rear, Right Rear, Right Front and Left Front.
2. Attach a hose to the bleeder screw and place the other end of the hose in a container to catch fluid run-off when bleeding the system.
3. Bleed brake.
 - a. Loosen the bleeder screw.
 - b. Have an assistant push down on the brake pedal and hold the pedal down.
 - c. Tighten the bleeder screw.
 - d. Have assistant release pedal.

NOTE: Do Not release brake pedal until the bleeder screw is tightened or air will be sucked back into the brake lines

- e. Repeat steps a through d as required until all air bubbles are purged from the system and a steady flow of fluid comes from the brake line.
 - f. Periodically check fluid level in reservoir. Do not allow the reservoir to fully empty or bleeding procedure will need to be repeated.
4. Repeat Step 3 for each brake.

5. Most communities have a disposal system for DOT 3 brake fluid. Please dispose of fluids properly.

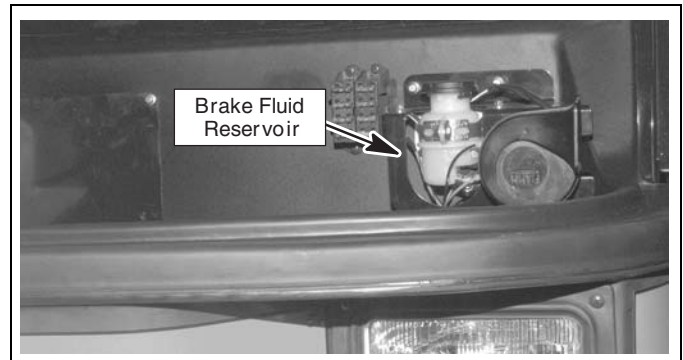


Figure 6J

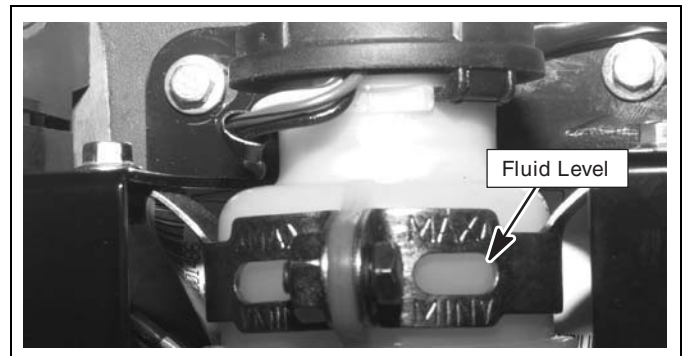


Figure 6K

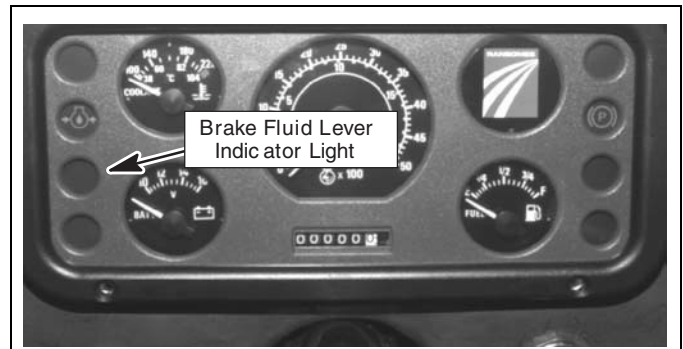


Figure 6L

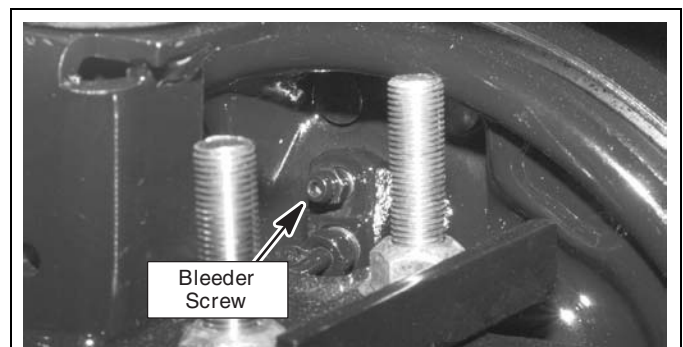


Figure 6M

6 MAINTENANCE

6.22 DIFFERENTIAL FLUID

The differential fluid should be checked every 100 hours or 3 months. Fluid should be changed after the first 100 hours and every 600 hours (or yearly) thereafter.

Differential Fluid Capacity 5.2 pints (2.5 l)

Fluid Type SAE EP 80-90 Gear Lube

To check differential fluid level, remove the filler plug from the front of the differential. Fluid should be level with the bottom of filler hole.

If fluid is low, add gear lube until fluid begins to leak from hole. Apply pipe thread sealant and install filler plug.

To change differential fluid, remove drain plug from rear of differential.

Allow fluid to drain into a suitable container. Dispose of used fluid properly according to local and state regulations.

Apply pipe thread sealer to drain plug and install.

Fill differential with gear lube until fluid begins to leak from hole. Apply pipe thread sealant and install filler plug.

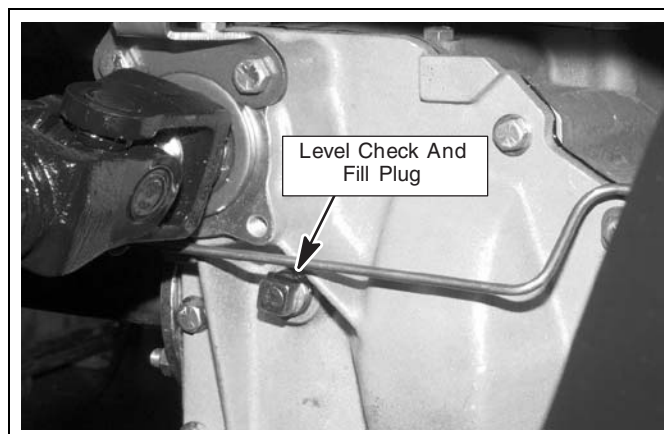


Figure 6N

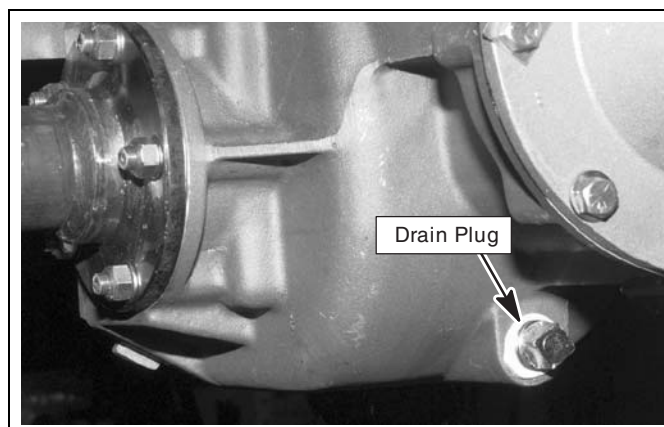


Figure 6O

6.23 DIESEL ENGINE MANUAL TRANSMISSION

The transmission fluid should be checked every 100 hours or 3 months. Fluid should be changed every 600 hours (or yearly).

Differential Fluid Capacity 1.35 qts (1.3 l)

Fluid Type SAE EP 80-90 Gear Lube

To check transmission fluid level, remove the filler plug from the front of the transmission. Fluid should be level with the bottom of filler hole.

If fluid is low, add gear lube until fluid begins to leak from hole. Apply pipe thread sealant and install filler plug.

To change fluid, remove drain plug from rear of transmission.

Allow fluid to drain into a suitable container. Dispose of used fluid properly according to local and state regulations.

Apply pipe thread sealer to drain plug and install.

Fill transmission with gear lube until fluid begins to leak from hole. Apply pipe thread sealant and install filler plug.

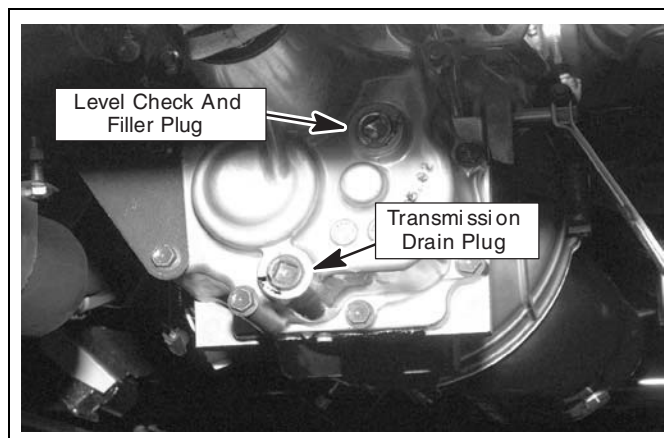


Figure 6P

6.24 GAS ENGINE MANUAL TRANSMISSION

The transmission fluid should be checked every 100 hours or 3 months. Fluid should be changed every 600 hours (or yearly).

Differential Fluid Capacity 1.3 qts (1.2 l)

Fluid Type SAE EP 80-90 Gear Lube

To check transmission fluid level, remove the filler plug from the front of the transmission. Fluid should be level with the bottom of filler hole.

If fluid is low, add gear lube until fluid begins to leak from hole. Apply pipe thread sealant and install filler plug.

To change fluid, remove drain plug from rear of transmission.

Allow fluid to drain into a suitable container. Dispose of used fluid properly according to local and state regulations.

Apply pipe thread sealer to drain plug and install.

Fill transmission with gear lube until fluid begins to leak from hole. Apply pipe thread sealant and install filler plug.

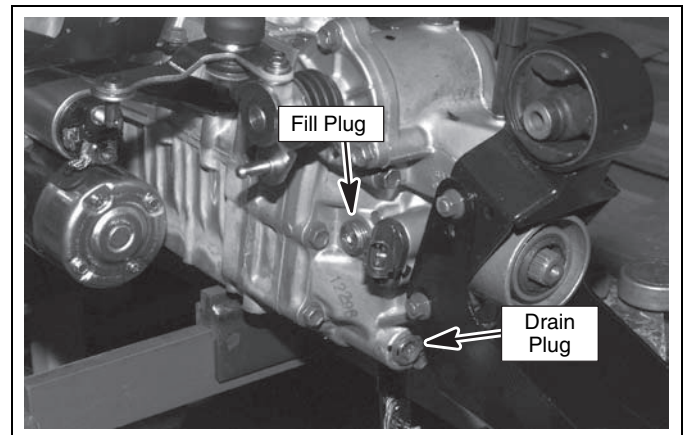


Figure 6Q

6.25 GAS ENGINE AUTOMATIC TRANSMISSION

The transmission fluid should be checked every 100 hours or 3 months. Fluid should be changed every 600 hours (or yearly).

Differential Fluid Capacity 3.7 qts (4.2 l)

Fluid Type Mercon / Dexron II

To check transmission fluid level, the engine must be running. Place the gear selector in "P" PARK, apply the parking brake and start the engine.

With engine running, remove the dipstick and wipe it with a clean rag. Insert the dipstick into the extension tube until it contacts the tube. Remove the dipstick and read the fluid level.

Fluid must be kept between the two marks on the dipstick. If fluid is low, add fluid to obtain the proper level.

Do Not Overfill. Add fluid using the extension tube as a fill tube.

To change fluid, remove drain plug from bottom of transmission.

Allow fluid to drain into a suitable container. Dispose of used fluid properly according to local and state regulations.

Apply pipe thread sealer to drain plug and install.

Fill transmission until fluid reaches proper mark on dipstick.

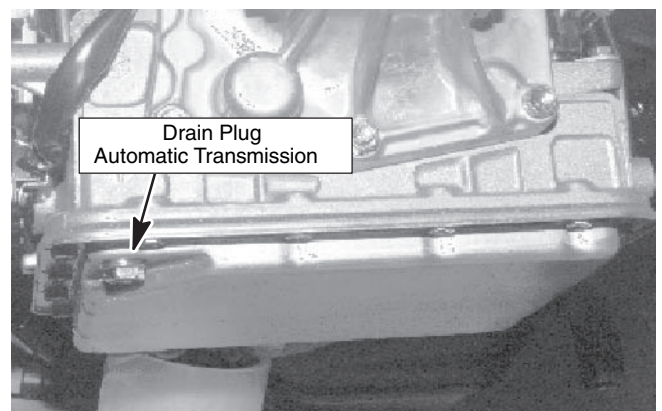
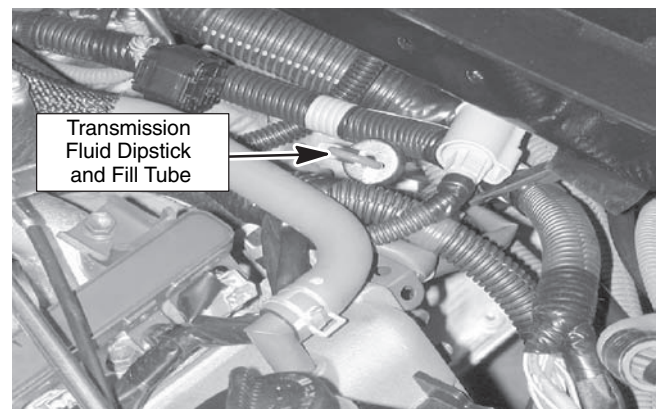


Figure 6R

6 MAINTENANCE

6.26 ELECTRICAL SYSTEM



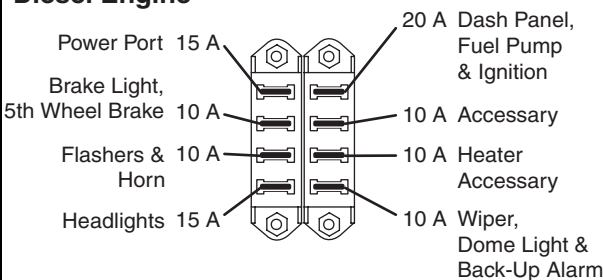
CAUTION

Always turn the ignition switch off and remove the negative battery cable (Black) before inspecting or working on the electrical system.

General precautions that can be taken to reduce electrical problems are listed below.

1. Make certain all terminals and connections are clean and properly secured.
2. Check the Interlock system, and fuses regularly.
If the Interlock does not function properly and the problem cannot be corrected, contact an authorized Jacobsen Dealer.
3. Keep the wire harness and all individual wires away from moving parts to prevent damage.
4. Check the battery and battery charging circuit.
5. Do not wash or pressure spray around electrical connections and components.
6. Circuits are protected by fuses located under the front cowl and a fuse located near the cooling fan.

Diesel Engine



Gas Engine

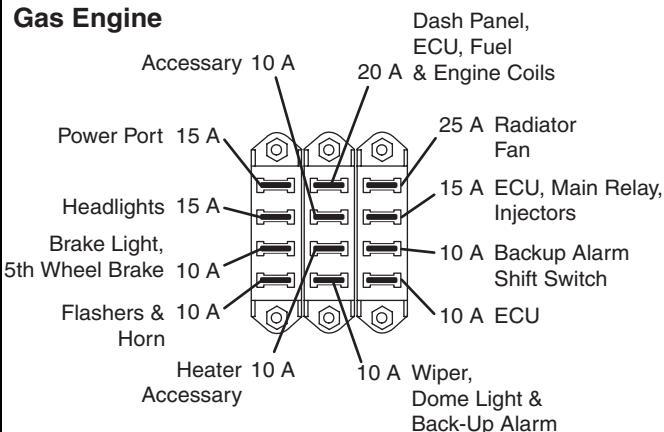


Figure 6S

6.27 DASH PANEL

The dash panel contains gauges and instrument lights to display unit functions. Maintenance of the panel is limited to replacing bulbs and setting the DIP switches. Remove the four screws securing the instrument panel to the dash.

Pull panel out, tilt panel forward and disconnect electrical connector for easier access to rear of panel.

Light Bulb Replacement:

1. Determine which bulb needs to be replaced.
2. Rotate bulb holder 1/4 turn counter-clockwise and pull up and away from dash panel.
3. Replace old bulb with a new bulb of equal type.

Location Replacement Bulb

A Voltmeter	C658
B Temperature Gauge	C658
C Fuel Gage	C658
D Hour Meter	C658
E Tachometer	C161
F Left Turn Signal	C161
G Oil Pressure	C161
H Glow Plug	C161
J Brake Fluid	C161

K Right Turn	C161
L Parking Brake	C161
M High Beam	C658
N Alternator / Battery	C161

4. Place bulb and holder back into panel. Turn holder 1/4 turn clockwise to secure into panel. Ensure base of holder is properly seated in panel.

Tachometer DIP Switch Setting:

The dash panel uses a DIP Switch sequence code to identify the number of input pulses per engine revolution and engine type to correctly display the engine RPM on the tachometer.

If you are replacing the dash panel or if the tachometer is not operating correctly, check to be sure the sequence code is set correctly.

The Truckster with a Perkins Diesel engine uses the following sequence code for 8.5 pulses / revolution.

Perkins Diesel Sequence Code: 0 0 0 1 0 0 0 0

The truckster with a Suzuki Gas engine uses the following sequence code for 1.5 pulses / revolution.

Suzuki Gas Sequence Code: 0 0 0 0 0 0 1 0

Using a small blade screwdriver or similar tool, push the switch levers either up or down to match the sequence code for this unit.

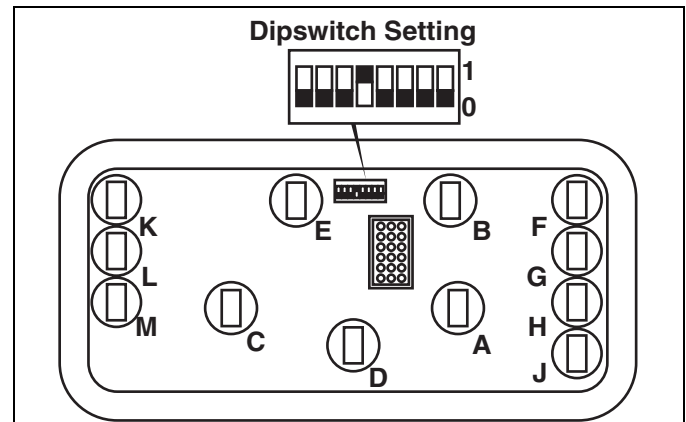


Figure 6T

6.28 HEADLIGHT REPLACEMENT

The headlight should be replaced as soon as it stops functioning or is damaged. The headlight is a sealed unit and can only be replaced as a complete unit.

Description	Bulb Type	Jacobsen Part No.
Headlight.....	H6545	837303

1. Disconnect the negative battery cable.
2. Remove the four screws securing the headlight bezel to the front cowl.
3. Pull headlight and bezel forward, out of the front clip opening.
4. Disconnect the electrical connector from the rear of the headlight,

5. Remove the headlight from the bezel. Properly dispose of old bulb.
6. Install new headlight in reverse order of removal.

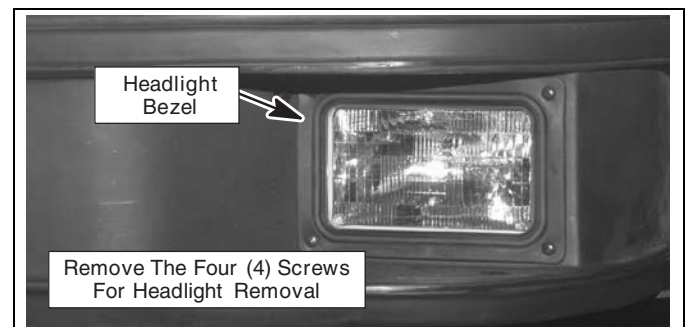


Figure 6U

6.29 TAIL LIGHT REPLACEMENT

The tail light should be repaired as soon as it stops functioning or is damaged. The tail light bulb, and lens are replaceable components. Damage to the body of the tail light requires a complete replacement.

Description	Bulb Type	Jacobsen Part No.
Tail light bulb.....	1157	822049

1. Remove the two screws securing lens. Remove lens and gasket.
2. Push bulb in, turn 1/4 turn and remove bulb. Dispose of old bulb properly.
3. Install new bulb in reverse order of removal. Ensure lens gasket is properly positioned.
4. To remove complete tail light assembly, remove two nuts and shake proof washer securing tail light to

frame. Disconnect harness and remove tail light from frame.

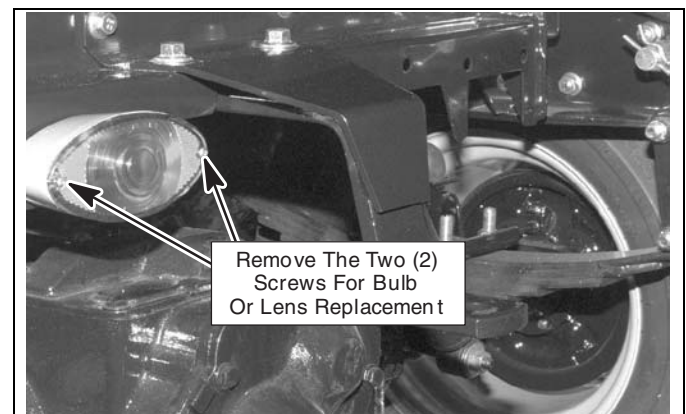


Figure 6V

6 MAINTENANCE

6.30 EFI DIAGNOSTIC CHECK

Suzuki Gas Engine units only

The electrical system is equipped with a plug in connector which, when used with the diagnostic jumper accessory (Part No. 2700920) will perform diagnostic checks on various engine components.

Manual transmission: Engage parking brake, shift transmission to neutral and turn the ignition switch to the OFF position.

Automatic Transmission: Engage parking brak, place gear selector in PARK and turn the ignition switch to the OFF position.

Open the front cowl and locate the plug in connector (Black/White and Black Wires) coming from the wire harness below the brake fluid reservior.

To run the diagnostic test, plug the diagnostic jumper into the plug-in connector. Turn ignition switch to the ON

position. The brake fluid light at the lower left corner of the dash panel will flash a diagnostic code.

The first digit of the code will be given first with a full second pause between each 0.3 second flash, followed by the second digit with no pause.

A code of 12 (System Normal) would turn the light on for 0.3 seconds, a full second pause then two fast flashes. **(Flash-Pause-Flash-Flash)**

A code of 46 (Shift swicth) would turn the light on four times for 0.3 seconds and a full second pause, then six fast flashes. **(Flash-Pause-Flash-Pause-Flash-Pause-Flash-Pause-Flash-Flash-Flash-Flash-Flash-Flash)**

The following list shows **which code number corresponds to which component and list possible causes for each fault.**

Code	Engine Component	Possible Causes
11	Pressure Sender	Voltage at pin 25 (Green/Yellow wire) of the 34 pin ECU connector is higher than 4.5 Volts or lower than 0.19 Volts.
12	Normal	System operating normally
13	Throttle Sensor	Voltage at pin 33 (Gray/Yellow wire) of the 34 pin ECU connector is higher than 4.73 Volts or lower than 0.25 Volts
14	O2 Sensor	No signal for a length of time at pin 24 (Red/Blue wire) of the 34 pin ECU connector
15	Crank Angle Sensor	While in starting mode, no signal is seen at pin 16 (Brown/Red wire) of the 34 pin ECU connector
16	Vehicle Speed Sensor	No signal for a length of time at pin 16 (Orange wire) of the 26 pin ECU connector
19	Water Temperature Sensor	Voltage at pin 32 (Green/White wire) of the 34 pin ECU connector is higher than 4.85 Volts or lower than 0.15 Volts.
41	Shift Solenoid #1 (Automatic Transmission only)	Open or short circuit at pin 27 (Blue/Black wire) of the 34 pin ECU connector. Should be 12 Volts if gear selector is in the "L" position.
42	Shift Solenoid #2 (Automatic Transmission only)	Open or short circuit at pin 28 (Blue/White wire) of the 34 pin ECU connector. Should be 12 Volts if gear selector is in the "L" or "2" position.
43	Shift Solenoid #3 (Automatic Transmission only)	Open or short circuit at pin 29 (Blue/Red wire) of the 34 pin ECU connector.
46	Shift Switch (Automatic Transmission only)	No sigal present at pin 18 (Green/Pink wire), and pin 19 (Orange Blue wire), and pin 20 (Orange/Green wire), and pin 24 (Green/Blue wire), and pin 25 (Green wire) and pin 26 (Red wire) of the 26 pin ECU connector. OR signal present at more than one of pins 18, 19, 20, 24, 25 and 26 of the 26 pin ECU connector

6.31 CARE AND CLEANING

Wash the vehicle after each use. Keep the equipment clean.

Note: Do not wash any portion of the equipment while it is hot. Do not use high pressure spray or steam. Use cold water and automotive cleaners.

1. Use compressed air to clean engine and radiator fins. A special blow gun is available through Jacobsen Dealer.
2. Use only fresh water for cleaning your equipment.

Note: *Use of salt water or affluent water has been known to encourage rust and corrosion of metal parts resulting in premature deterioration or failure. Damage of this nature is not covered by the factory warranty.*

3. Do not spray water directly at the dash panel, ignition switch, controls or any other electrical components, or at bearing housings and seals.
4. Clean all plastic or rubber trim with a mild soap solution or use commercially available vinyl/rubber cleaners.

Repair damaged metal surfaces and use Jacobsen touch-up paint. Wax the equipment for maximum paint protection.

CAUTION

Clean grass and debris from drives, muffler and engine to prevent fires.

6.32 STORAGE

General

1. Wash the vehicle thoroughly and lubricate. Repair and paint damaged or exposed metal.
2. Inspect the vehicle, tighten all hardware, replace worn or damaged components.
3. Drain and refill radiator.
4. Clean the tires thoroughly and store the vehicle so the load is off the tires. If vehicle is not on jack stands, check tires at regular intervals and reinflate as necessary.
5. Keep the machine and all its accessories clean, dry and protected from the elements during storage. Never store equipment near an open flame or spark which could ignite fuel or fuel vapors.

Battery

1. Remove, clean and store battery in upright position on a non-conductive surface (wood) in a cool, dry place. To prevent accelerated discharge, do not store battery on concrete or steel surface.
2. Check and recharge battery every 60 to 90 days while in storage.
3. To reduce the self discharge rate, room temperature should not be above 80°F (27°C) or fall below 20°F (-7°C) to prevent electrolyte from freezing.

Engine (General)

1. While the engine is warm, remove the drain plug, drain the oil from the crankcase and change oil filter. Install drain plug and refill with fresh oil. Let engine cool before storing.
2. Clean exterior of engine. Paint exposed metal, or apply a light coat of rust preventative oil.

Add a fuel conditioner or biocide to prevent gelling or bacterial growth in fuel. See your local fuel supplier.

If storing indoors, drain fuel from tank.

Close fuel shut off valve.

After Storage

1. Check and reinstall battery
2. Check or service fuel filter and air cleaner.
3. Check the radiator coolant level.
4. Check oil level in the engine crankcase.
5. Fill the fuel tank with fresh fuel. Open fuel shut off valve and bleed the fuel system.
6. Remove antifreeze mixture from sprayer pump.
7. Assembly boom hoses, no-drip valves, nozzle tips and strainers.
8. Make certain that the tires are properly inflated.
9. Start and operate the engine at 1/2 throttle. Allow enough time for the engine to become properly warmed and lubricated.

WARNING

Never operate the engine without proper ventilation; exhaust fumes can be fatal when inhaled.

7 TROUBLESHOOTING

7.1 GENERAL

The troubleshooting chart below lists basic problems that may occur during start-up and operation. For more

detailed information regarding the electrical system contact your area Jacobsen Dealer.

Symptoms	Possible Causes	Action
Engine will not start.	<ol style="list-style-type: none">1. Clutch pedal not depressed.2. Battery low on charge or defective.3. Fuel tank empty or dirty. Fuel shut off valve closed4. Fuse blown.	<ol style="list-style-type: none">1. Check start-up procedure.2. Inspect condition of battery and battery connections.3. Fill with fresh fuel. Change fuel filter. Bleed fuel lines. Open fuel shut off valve4. Replace fuse.
Engine hard to start or runs poorly.	<ol style="list-style-type: none">1. Fuel level low, fuel or fuel filter dirty.2. Air cleaner dirty.3. Injectors, fuel pump4. Engine problem.	<ol style="list-style-type: none">1. Fill with fresh fuel. Change fuel filter. Bleed fuel lines.2. Inspect and replace air filter.3. Consult engine manual.4. Consult engine manual
Engine stops.	<ol style="list-style-type: none">1. Fuel tank empty.	<ol style="list-style-type: none">1. Fill with fresh fuel and bleed fuel lines.
Engine overheating	<ol style="list-style-type: none">1. Coolant level low.2. Air intake restricted.3. Water pump belt broken or loose.4. Engine overload	<ol style="list-style-type: none">1. Inspect and add coolant.2. Clean cooling air intake.3. Tighten or replace belt.4. Reduce forward speed
vehicle does not react to throttle pedal	<ol style="list-style-type: none">1. Parking brake engaged2. Transmission in Neutral3. Clutch Pedal Depressed	Disengage parking brake. Depress brake and clutch pedals. Shift to proper gear for desired ground speed. Release brake pedal. Slowly let out clutch while pressing the throttle pedal Slowly let out clutch pedal

8.1 GENERAL



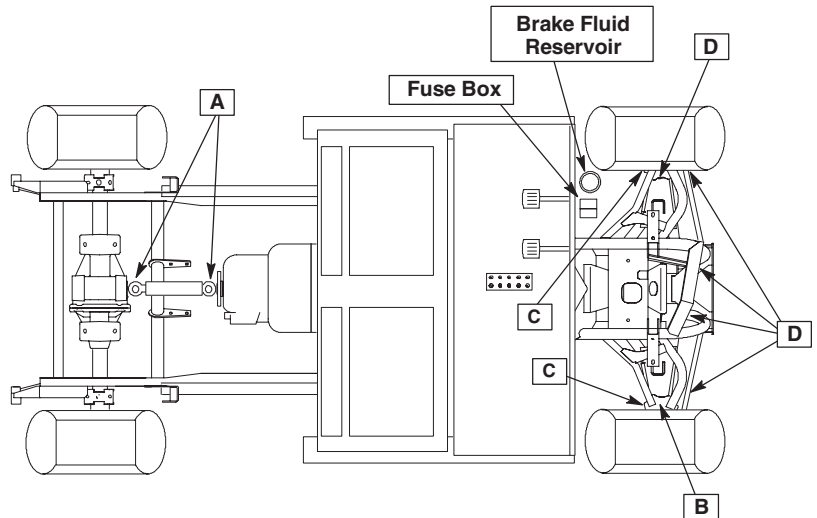
WARNING

Before you clean, adjust, or repair this equipment, disengage all drives, lower implements to the ground, engage parking brake, stop engine and remove key from ignition switch to prevent injuries

1. Always clean the grease fitting before and after lubricating.
2. Lubricate with grease that meets or exceeds NLGI Grade 2 LB specifications. Apply grease with a manual grease gun and fill slowly until grease begins to seep out. Do not use compressed air guns.
3. For smooth operation of all levers, pivot points and other friction points that are not shown on the lubrication chart apply several drops of SAE 30 oil every 40 hours or as required.
4. Grease fittings every 100 hours. Do not over grease drive shaft fittings **(A)**. Too much grease will damage the seals.

8.2 LUBRICATION CHART

Fitting	Description	Qty
A	Drive Shaft	2
B	Upper Ball Joints	2
C	Lower Ball Joints	2
D	Tie Rod Ends	4



8 MAINTENANCE & LUBRICATION CHARTS

8.3 MAINTENANCE CHARTS

Recommended Service and Lubrication Intervals

	Daily	First 35 Hours	Every 75 Hours or 2 Months	Every 100 Hours or 3 Months	Every 200 Hours or 6 Months	Every 400 Hours or 9 Months	Every 600 Hours or 12 Months	See Section	Lubricant Type
Air Filter					R**			6.8	
Alternator							I		
Battery			I				C	6.10	
Belts	I-A*			I-A			I-A	4., 5.2	
Brake Fluid				I-A				6.21	VI
Brake Linings		I-A*		I-A			I-A		
Clutch				I-A					
Cooling System	I-C-A				I	R		6.7	IV
Differential Fluid				I-R*			R	6.22	III
Electrical System		I*		I				6.26	
Engine Glow Plugs							I		
Engine Idle Speed		I*					I		
Engine Noise / Vibration	I								
Engine Oil (Suzuki)	I	R*****		R**				6.3	
Engine Oil (Perkins)	I	R*	R**					6.3	II
Engine Oil Filter	I	R*****		R**				6.3	
Engine Oil Filter	I	R*	R**					6.3	
Engine Valve Clearance		I****				I****			
Fluid Leaks	I-R								
Fuel System		I*					I	6.15	
Fuel Filter				R				6.15	
Fuel Water Separator (Diesel Only)	I-C								
Governor Fluid				I-A					
Hydraulic Filter							R		
Hydraulic Fluid				I-A					
Injection Pump / Timing							I		
Lubricate Chassis				L			L	8.2	I
Muffler and Exhaust	I			I				6.5	
Radiator Screens	I-C/AR							6.7	
Power Steering Fluid		I*		I				6.4	V
Spark Plugs (Gas only)							C-A-R		
Starter Motor Brushes							I		
Tires	I	I-A						6.16	
Transmission Fluid (Manual Transmission)				I			R	6.23 6.24	III
Transmission Fluid (Automatic Transmission)				I			R	6.25	VII
Wheel Bearings							Repack		

A - Add or Adjust C - Clean I - Inspect L - Lubricate R - Repair or Replace AR - As Required

Notes:

- * Indicates initial service for new machines.
- ** Depending on operating conditions, engine oil, oil filter and air filter may require more frequent replacement.
- *** Inspect visible hoses and tubes for leaks or oil marks.
- **** Must be done at Authorized Dealer
- ***** Change oil and filter on Suzuki Engines after first fifty hours

Common Replacement Parts:

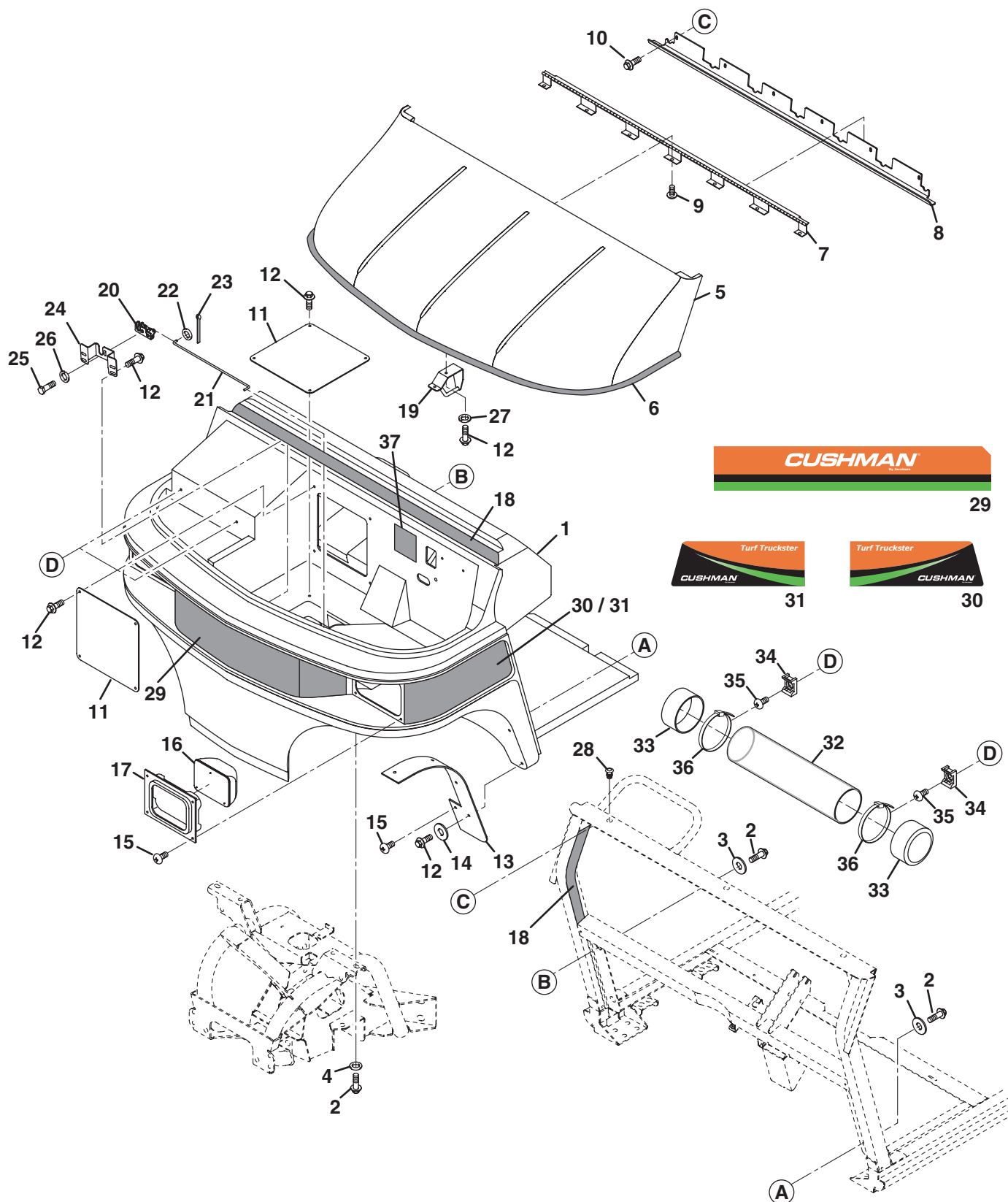
Engine Air Filter - 840352
Diesel Engine Oil Filter - 842553
Gas Engine Oil Filter - 2701809
Diesel Engine Fuel Filter - 2208175
Gas Engine Fuel Filter - 2701898
Diesel Engine Alternator Belt - 600997
Diesel Engine Hydraulic Pump Belt - 841966
Gas Engine Alternator-Power Steering Belt - 4115406
Gas Engine Hydraulic Pump Belt - 4115404
NGK 3932 (DCPR7E) Spark Plug - 4119606
Denso XU22EPR-U Spark Plug - 2701832

Lubricants

- I Manual grease gun with NLGI Grade 2 (Service Class LB).
- II Engine Oil - See Section 6.3
- III SAE EP 80-90 Gear Lube
- IV Capacity: 3qt. (2.8 l) 50/50 water ethylene glycol mix
- V GM Power Steering Fluid
- VI DOT 3 Brake Fluid
- VII Mercon/Dextron II Automatic Transmission Fluid

10.1 TABLE OF CONTENTS

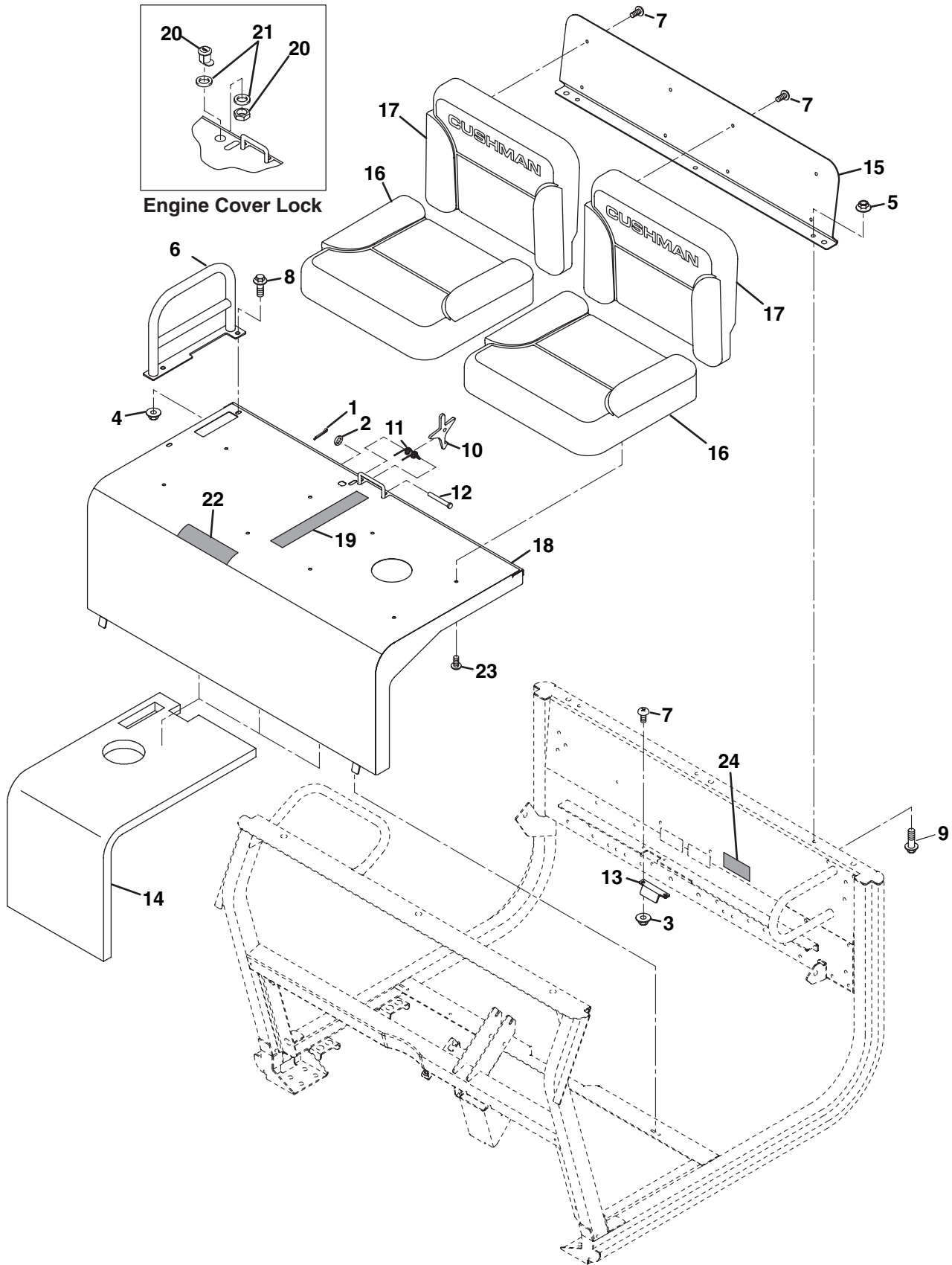
1.1	Front Body	38
2.1	Engine Cover	40
3.1	Upper ROPS	42
4.1	Throttle Control	44
5.1	Control Console	46
6.1	Parking Brake and High-Low Speed Control..	48
7.1	Brake Pedal	50
8.1	Clutch Pedal Linkage.....	52
9.1	Manual Transmission Shifter Linkage	54
10.1	Automatic Transmission Shifter.....	56
11.1	Automatic Transmission Oil Cooler	57
12.1	Frame Attachments	58
13.1	Frame, Lower ROPS and Platform	60
14.1	Rear Axle	62
15.1	Front Control Arms	64
16.1	Steering Linkage	66
17.1	Front Brakes	68
18.1	Steering Column	70
19.1	Diesel Radiator	72
20.1	Gas Radiator.....	74
21.1	Diesel Engine and Transmission Mounting ...	76
22.1	Gas Engine and MT Mounting	78
23.1	Gas Engine and AT Mounting	80
24.1	Diesel Engine and Clutch	82
25.1	Suzuki Gas Engine.....	84
26.1	Engine Speed Control	86
27.1	Exhaust	87
28.1	Governor Linkage	88
29.1	Governor	90
30.1	Gas Engine Remote Oil Fill	92
31.1	Gas Engine Exhaust	93
32.1	Diesel Fuel System	94
33.1	Gas Fuel System	96
34.1	Hydraulic Tank and Filter	98
35.1	Hydraulic Pump and Filter	100
36.1	Lift Cylinder Circuit.....	102
37.1	Diesel Electrical Components	104
38.1	Gas Electrical Components	106
39.1	Differential Assembly	108
40.1	Differential Housing.....	110
41.1	Axle Tubes and Shafts	112
42.1	Front and Shifter Cover	114
43.1	Input, Main and Jack Shafts.....	116
44.1	Transmission Clutch Release-Shift Selector	118
45.1	Transmission Case	120
46.1	Input and Main Shaft.....	122
47.1	Gear Shift Fork Linkage	124
48.1	Diesel Engine Electrical Schematic	126
49.1	Diesel Engine Main Harness	130
50.1	Diesel Engine and Fan Harness	132
51.1	Gas Engine Electrical Schematic	134
52.1	Gas Engine Schematic	138
53.1	Gas Main Harness	140
53.1	Gas Main Harness (Continued).....	142



TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	2700792	1	Front Clip	Includes decals 821071 & 840901
2	800930	6	Screw, M8-1.25 x 16 mm Hex Flange	
3	548159	4	Flat Washer, 5/16 x 1-1/4"	
4	450400	2	Washer, M8	
5	601940G05	1	Hood, Orange	
6	601939	AR	Weather Seal	
7	841477G01	1	Hinge, Hood	
8	841637	1	Angle, Front Clip Mounting	
9	450541	7	Screw, M6-1 x 16 mm Round Head	
10	112050	6	Screw, 1/4-20 x 5/8" Tapite	
11	841913	2	Plate, Access	
12	800934	22	Screw, M6-1 x 16 mm Hex Flange	
13	4139691	2	Flap, Mud	
14	548175	8	Flat Washer, 1/4 x 1-1/4"	
15	800943	10	Screw, #10-14 Self Tapping	
16	837303	2	Headlight, Rectangular	
17	841428	2	Bezel, Headlight	
18	828382	AR	Seal, Foam	
19	894030	1	Striker, Hood	
20	2702198	1	Latch, Hood	
21	841715	1	Rod, Hood Release	
22	303952	1	Flat Washer, #10	
23	306463	1	Cotter Pin, 1/16 x 1/2"	
24	841753	1	Bracket, Hood Latch	
25	306419	2	Screw, 1/4-20 x 1/2" Hex Head	
26	306488	2	Lockwasher, 1/4" Shakeproof	
27	450410	2	Lockwasher, M6	
28	844293	3	Plug, Panel	
29	74765G01	1	Decal, Cushman	
30	74793G01	1	Decal, Left Side Turf Truckster	
31	74767G01	1	Decal, Right Side Turf Truckster	
32	38541	1	Tube, Clear Document	
33	38061A	2	Cap, Vinyl	
34	840508	2	Mount, Cable Tie	
35	800344	2	Screw, #10 Type AB Self Tapping	
36	823549	2	Cable Tie, 15-1/2"	
37	2703158	1	Decal, Fuses	Diesel Engine Gas Engine
37	4117221	1	Decal, Fuses	

> Change from previous revision

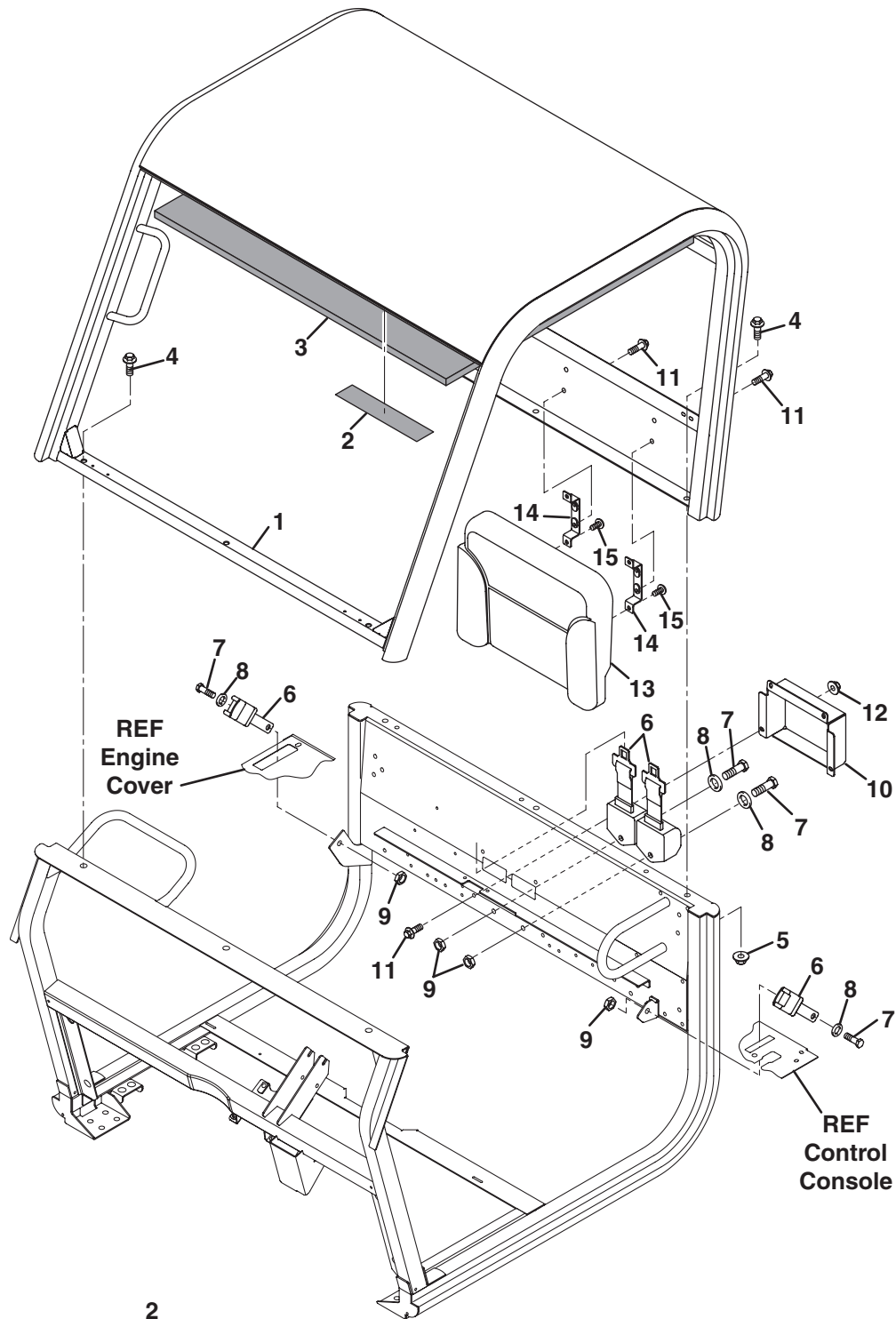


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	306328	1	Cotter Pin, 3/32 x 3/4"	Optional, Required in Europe Optional, Required in Europe Diesel Engines Gas Engine, MT Gas Engine, AT
2	308090	1	Washer, 1/4	
3	450452	2	Nut, M6-1 Hex Flange	
4	450453	2	Nut, M8-1.25 Hex Flange	
5	450454	3	Nut, M10-1.5 Hex Flange	
6	893541	1	Handold, Right Side	
7	450541	10	Screw, M6-1 x 16 mm Hex Flange	
8	452388	2	Screw, M8-1.25 x 20 mm Hex Flange	
9	452398	3	Screw, M10-1.5 x 20 mm Hex Flange	
10	523085	1	Latch, Engine Cover	
11	816401	1	Spring, Torsion	
12	830784	1	Clevis Pin, 1/4 x 1-7/8"	
13	2702199	1	Catch, Engine Latch	
14	841804	1	Insulation, Engine Cover	
15	842030	1	Mount, Backrest	
16	601937	2	Seat Base	
17	893322	2	Backrest	
18	893375-G05	1	Cover, Engine	
19	845038	1	• Decal, Operation	
20	840436	1	Lock, Engine Cover	
21	309488	2	Washer	
22	845234	1	Decal, Ground Speed	
22	845232	1	Decal, Ground Speed	
22	845231	1	Decal, Ground Speed	
23	800263	8	Screw, 1/4-20 x 1-1/4"	
24	36085G01	1	Decal, Carb Suzuki K6	

> Change from previous revision

3.1 Upper ROPS

Serial No. 84054 All



2

PART NUMBER: 893146 Meets SAE: J1040 MAY94
Only to be used on Cushman and EZ-GO truck models
with matching lower structure
Manufactured by E-Z-GO a Textron Company
1451 Marvin Griffin Rd. Augusta, Georgia 30906

▲ WARNING ▲

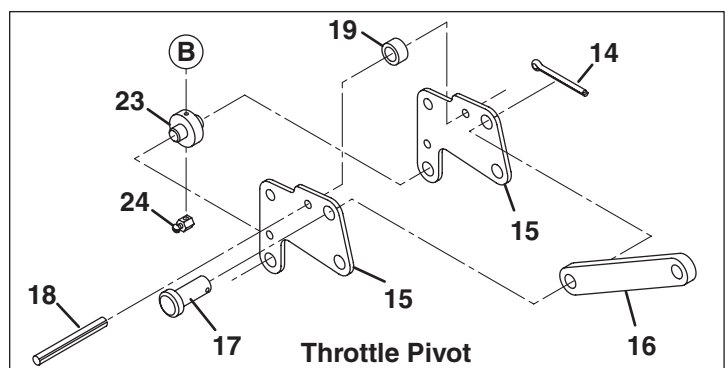
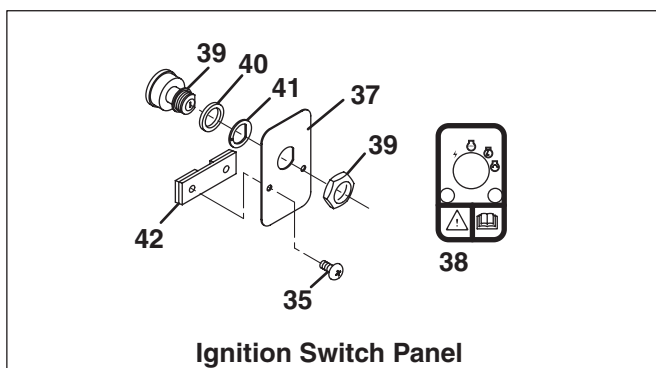
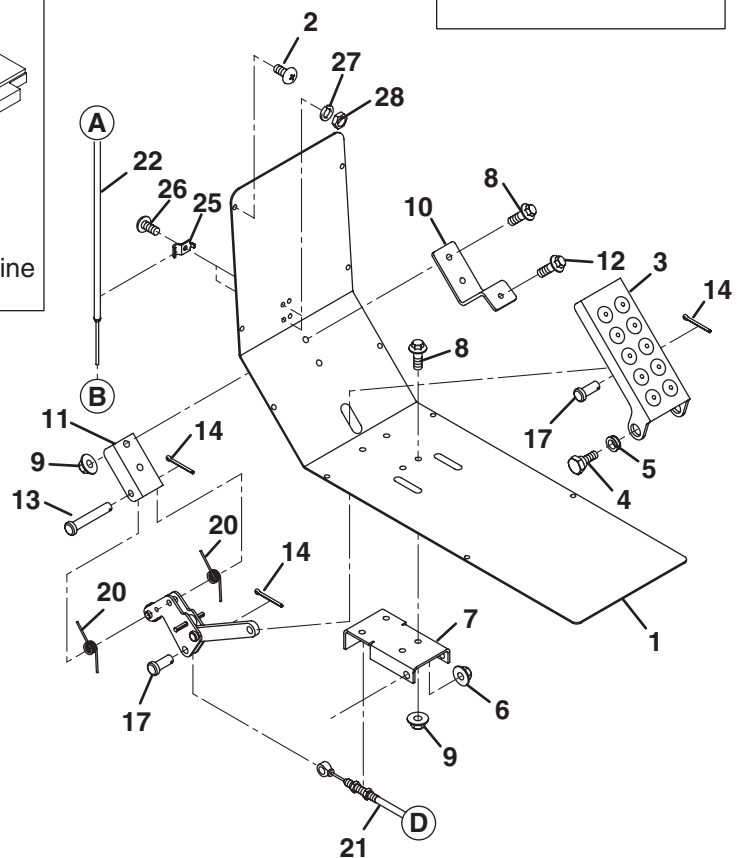
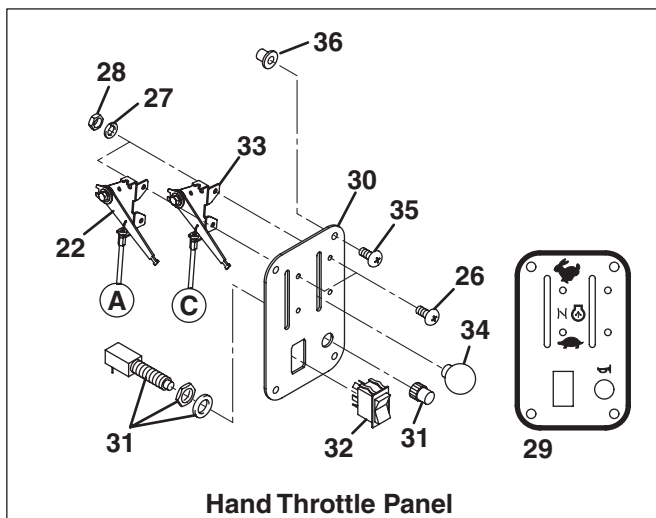
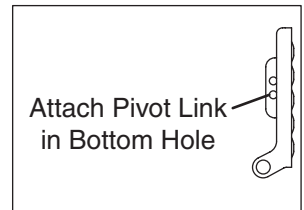
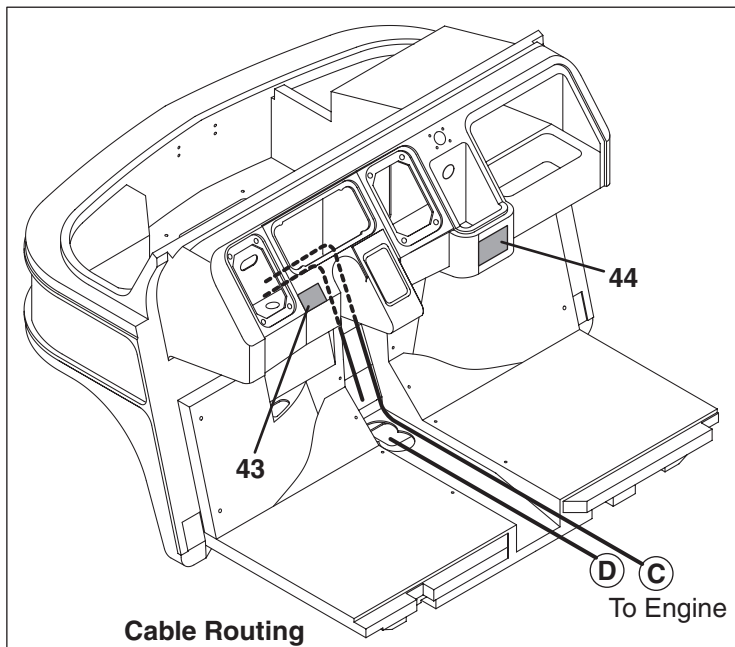
The protection offered by this ROPS will be impaired if it has
been subjected to any modification or structural damage.
This ROPS must be replaced after a rollover. Seat belts must
be worn at all times.

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	36097-G01	1	Upper ROPS	See 2.1
2	36091-G01	1	• Decal, Warning and ROPS Cert.	
3	844988	1	Foam, 1/2" Perforated ROPS	
4	452411	6	Screw, M12-1.75 x 40 mm Flange	
5	450455	3	Nut, M12-1.75 Hex Flange	
6	4140269	2	Seat Belt Assembly	
7	N/S	2	• Screw, 7/16-20 x 1" Hex Head	
8	N/S	2	• Flat Washer, 7/16	
9	N/S	2	• Nut, 7/16-20 Hex	
10	841799	1	Guard, Seat Belt	
11	800930	12	Screw, M8-1.25 x 16 mm Flange	
12	450453	4	Nut, M8-1.25 Hex Flange	
13	REF	1	Backrest	
14	893632	4	Support, Backrest	
15	450541	8	Screw, M6-1 x 16 mm Pan Head	

> Change from previous revision

4.1 Throttle Control

Serial No. All



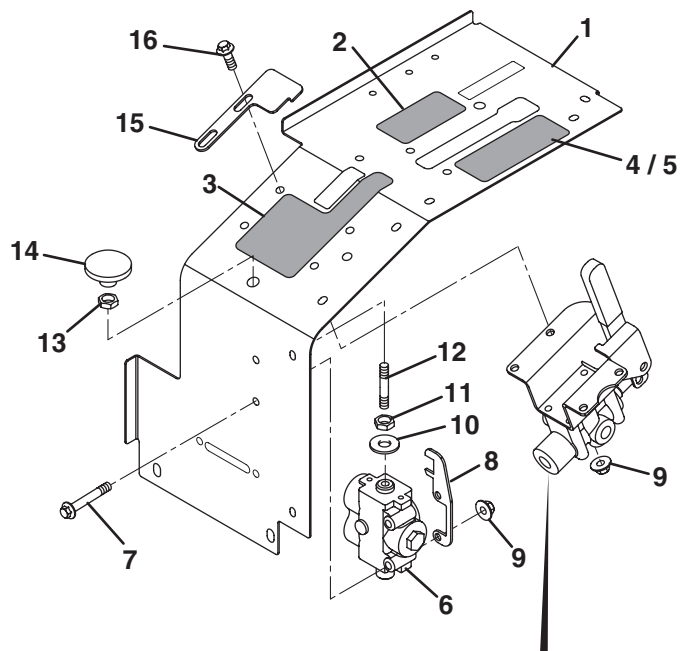
All Views Rotated 90° for Clarity

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	841663	1	Panel, Floor Access	See 26.1 or See 28.1
2	800943	10	Screw, #10-14 x 5/8" Self Tapping	
3	894159	1	Pedal, Throttle	
4	524633	2	Bolt, 5/16-18 x 1" Shoulder	
5	524643	2	Bearing, Split	
6	548911	2	Nut, 5/16-18 Flange	
7	2703257.7	1	Bracket, Foot Throttle	
8	452378	6	Screw, M6-1 x 20 mm Flange	
9	450452	6	Nut, M6-1 Flange	
10	843997	1	Bracket, Pedal Stop	
11	843562	1	Mount, Channel	
12	452695	1	Screw, M6-1 x 20 mm Self Tapping	
13	830784	1	Clevis Pin, 1/4 x 1-7/8"	
14	306328	4	Cotter Pin, 3/32 x 3/4"	
15	843563	2	Plate, Pivot	
16	843561	1	Link, Throttle Pivot	
17	806714	3	Clevis Pin, 5/16 x 3/4"	
18	844224	2	Roll Pin, 3/16 x 1-3/4"	
19	515268	2	Bushing	
20	844223	2	Spring, Torsion	
21	REF	1	Throttle Cable	
22	828049	1	Throttle, Hand	
23	843607	1	Bushing, Throttle Cable	
24	817104	1	Stop, Wire	
25	111898	2	Clamp, Cable	
26	800271	6	Screw, #10-24 x 1/2" Pan Head	
27	120052	6	Lockwasher, #10	
28	306531	6	Nut, #10-24 Hex	
29	844116	1	Decal, Speed Control Panel	
30	841264	1	Panel, Speed Control	
31	830366	1	Switch, Horn	
32	843581	1	Switch, Light	
33	REF	1	Cable, Governor Control	
34	827821	2	Knob	
35	800582	6	Screw, 1/4-10 x 3/4" Truss Head	
36	2700496	4	Insert, 1/4-20 Threaded	
37	2701850.7	1	Panel, Ignition Switch	
38	2702014	1	Decal, Ignition Switch Panel	
39	837295	1	Ignition Switch	
40	837299	1	Spacer, 3/32"	
41	837300	1	Spacer, 1/16"	
42	2702012	1	Strap Nut, 1/4-20 x 2"	
43	821071	1	Decal, Not Motor Vehicle Notice	
44	29165G01	1	Decal, Off Road Use	

> Change from previous revision

5.1 Control Console

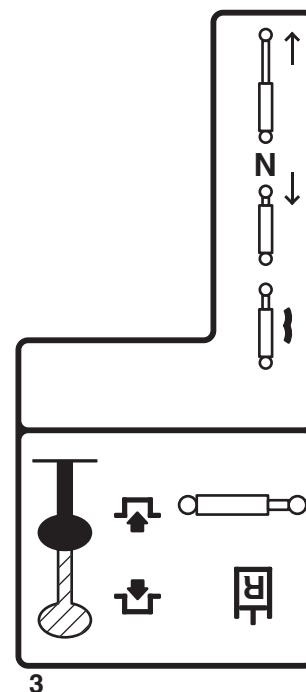
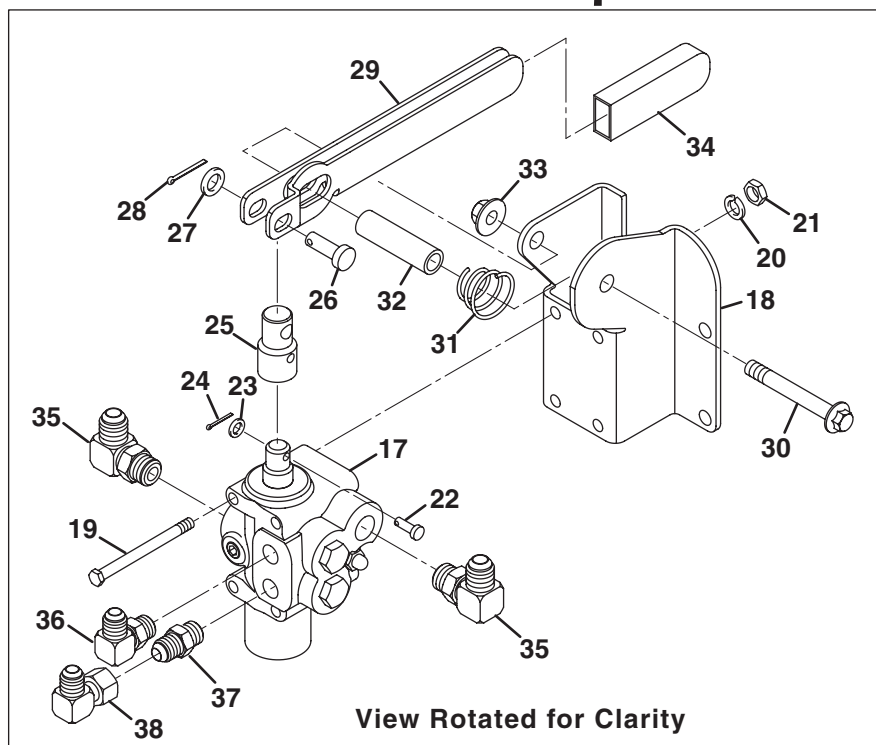
Serial No. All



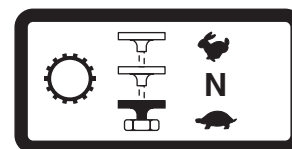
5



4



3

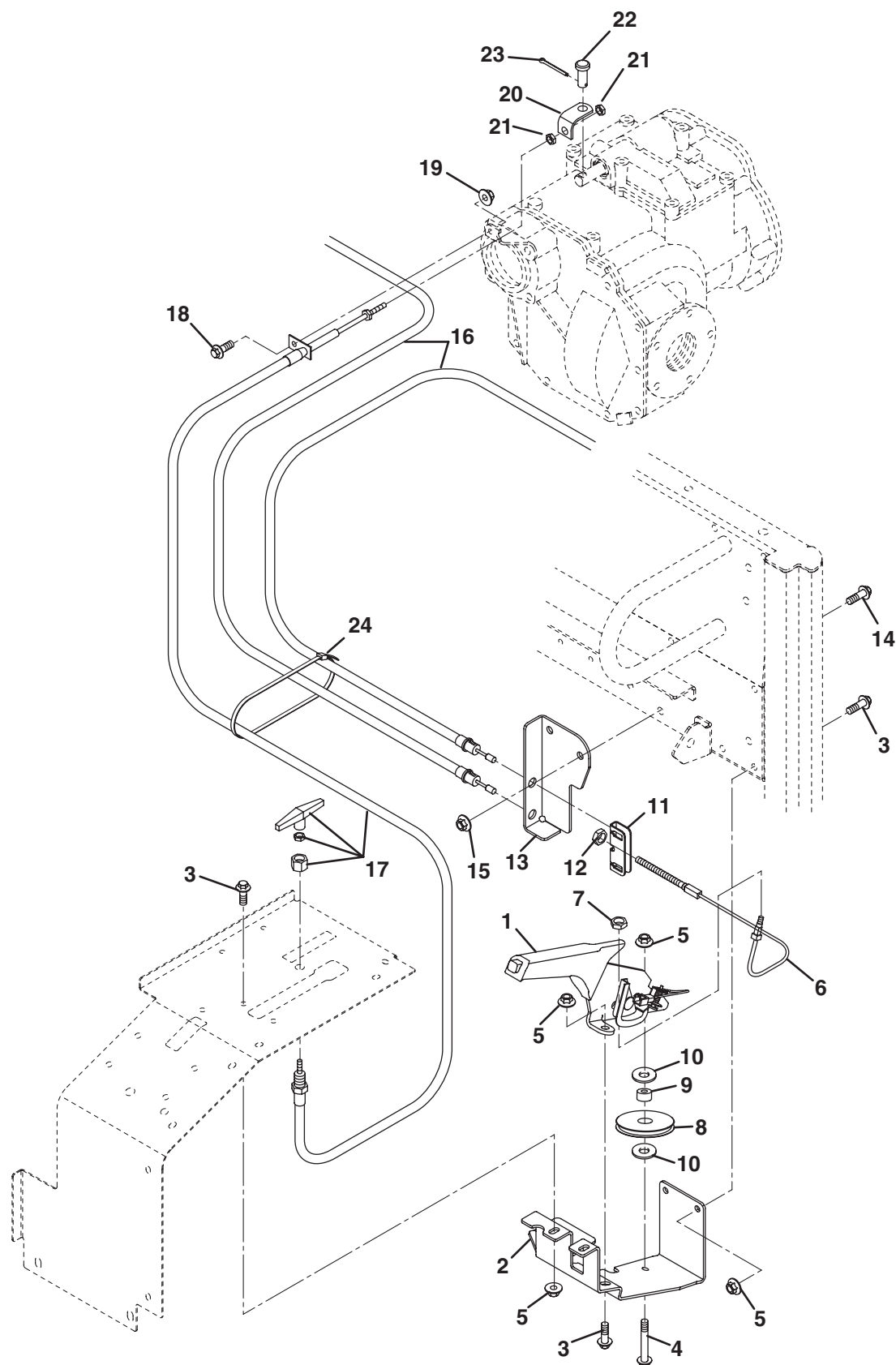


2

TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	2700796	1	Console	Used on all, except 84044
1	2700797	1	Console, EC	Used on 84044 Only
2	844177	1	• Decal, Aux. Transmission	
3	844179	1	• Decal, Hydraulic Controls	
4	822819	1	• Decal, Parking Brake	Used on all, except 84044
5	845185	1	• Decal, EC Parking Brake	Used on 84044 Only
6	894696	1	Valve, Hydraulic Selector	
7	452396	2	Screw, M8-1.25 x 50 mm Flange	
8	832798	1	Plate, Stop	
9	450453	6	Nut, M8-1.25 Hex Flange	
10	822419	1	Washer, 1-5/8" Diameter	
11	304632	1	Nut, 3/8-16 Hex Jam	
12	844582	1	Rod, Extension Handle	
13	306388	1	Nut, 3/8-24 Hex Jam	
14	548171	1	Knob	
15	844051	1	Plate, Float Latch	
16	800930	4	Screw, M8-1.25 x 16 mm Flange	
17	886270	1	Valve, Hydraulic Lift Control	Discard Decal included with Valve
18	843355	1	Mount, Lift Control Valve	
19	316907	4	Screw, 1/4-20 x 2-3/4" Hex Head	
20	306396	4	Lockwasher, 1/4	
21	306375	4	Nut, 1/4-20 Hex	
22	823225	1	Clevis Pin, 3/16 x 1"	
23	308089	1	Flat Washer, #10	
24	306463	1	Cotter Pin, 1/16 x 1/2"	
25	839213	1	Connector, Valve	
26	814079	1	Clevis Pin, 5/16 x 1-1/8"	
27	103867	1	Flat Washer, 5/16	
28	306328	1	Cotter Pin, 3/32 x 3/4"	
29	843758	1	Handle, Lift Control Valve	
30	452404	1	Screw, M10-1.5 x 70 mm Flange	
31	825538	1	Spring, Compression	
32	843759	1	Bushing, Lift Control Valve	
33	450454	1	Nut, M10-1.5 Hex Flange	
34	521144	1	Cover, Handle	
35	826558	2	Adapter, 90° Fitting	ORB to JIC 37° Flare
36	828057	1	Adapter, 90° Fitting	ORB to JIC 37° Flare
37	823118	1	Adapter, Straight Fitting	ORB to JIC 37° Flare
38	828056	1	Adapter, 90° Swivel Fitting	JIC 37° Flare

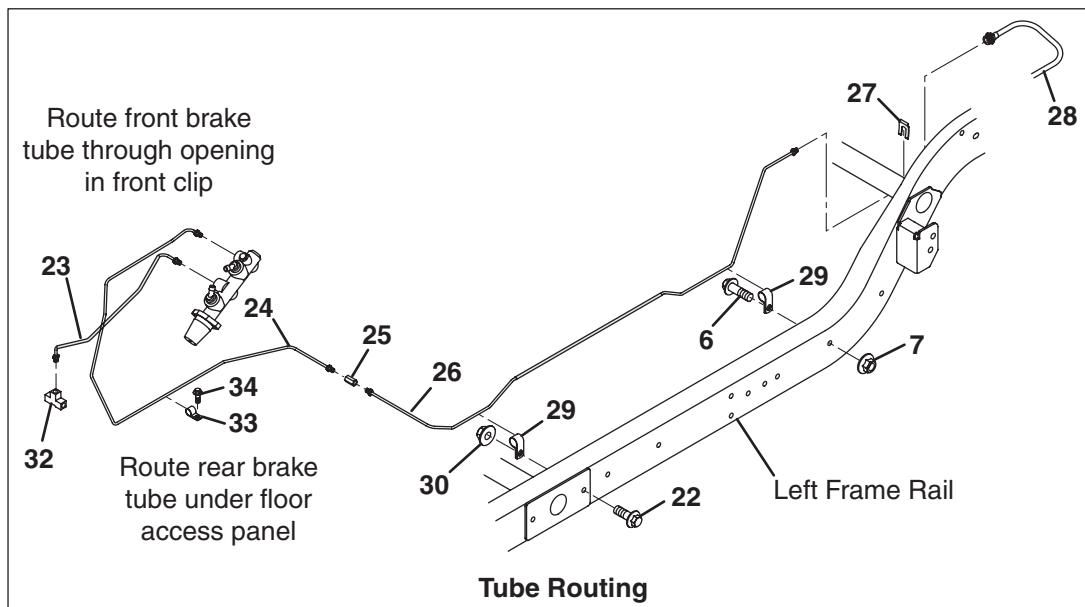
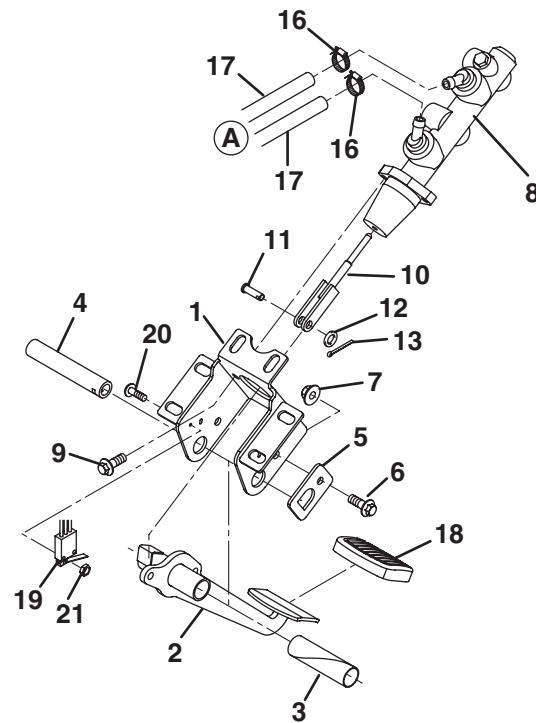
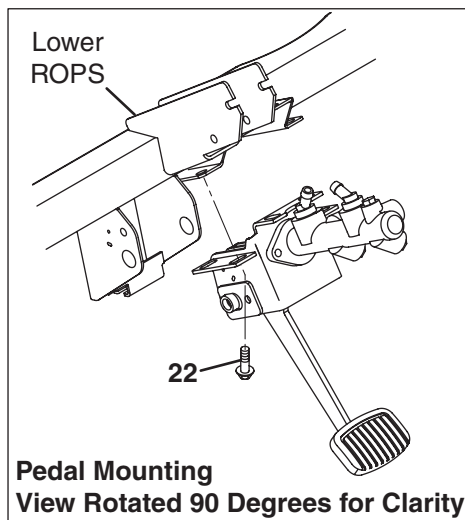
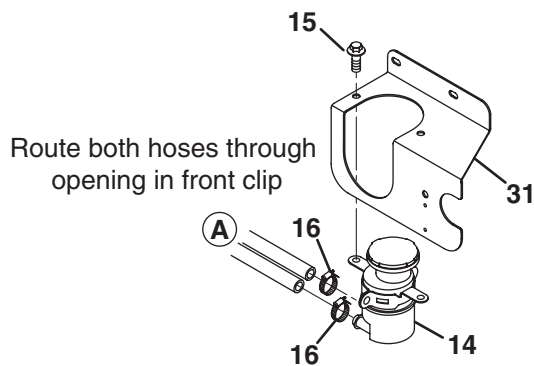
> Change from previous revision



TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	894317	1	Lever, Parking Brake	See 39.1 Apply Locktite 242
2	845134	1	Bracket, Parking Brake Lever	
3	452388	5	Screw, M8-1.25 x 20 mm Flange	
4	452391	1	Screw, M8-1.25 x 40 mm Flange	
5	450453	6	Nut, M8-1.25 Flange	
6	845133	1	Cable, Parking Brake	
7	450377	1	Nut, M6-1 Staytite	
8	827182	1	Pulley, 3" Cable	
9	843359	1	Bushing, Pulley	
10	809152	2	Flat Washer, 5/16 x 1-3/16"	
11	843356	1	Equalizer, Parking Brake	
12	800446	1	Locknut, 5/16-24	
13	843158	1	Bracket, Parking Brake Cables	
14	452398	2	Screw, M10-1.5 x 20 mm Flange	
15	450454	2	Nut, M10-1.5 Flange	
16	REF	2	Parking Brake Cables	
17	889106	1	Cable, High - Low Speed Control	
18	452378	1	Screw, M6-1 x 12 mm Flange	
19	450452	1	Nut, M6-1 Flange	
20	837043	1	Bracket, High - Low Cable	
21	2702244	2	Nut, #10-32 Hex	
22	806703	1	Clevis Pin, 5/16 x 31/32"	
23	306328	1	Cotter Pin, 9/32 x 3/4"	
24	320107	1	Cable Tie, 7-1/2"	

> *Change from previous revision*



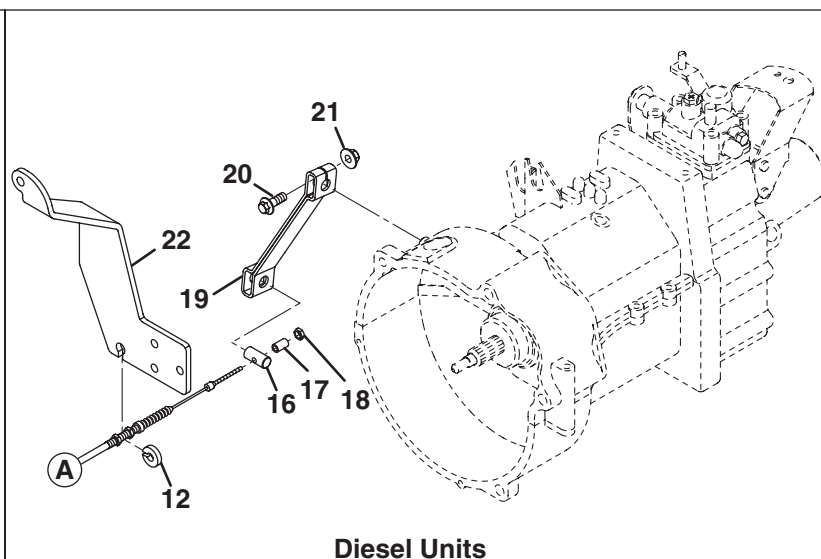
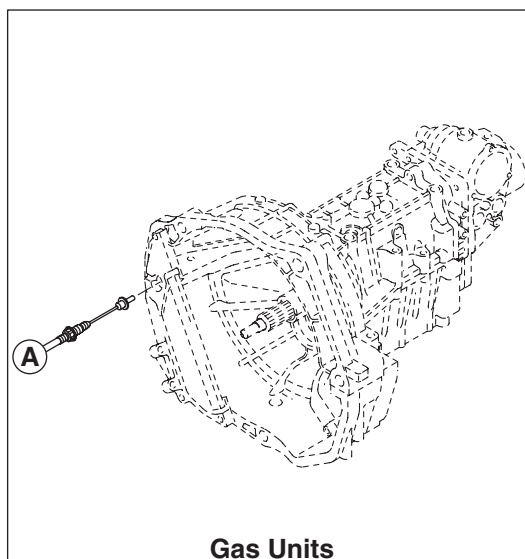
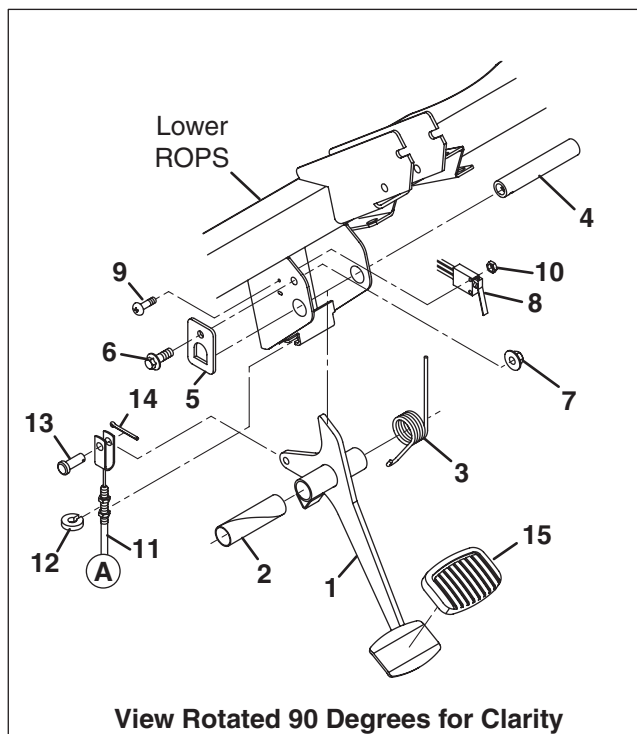
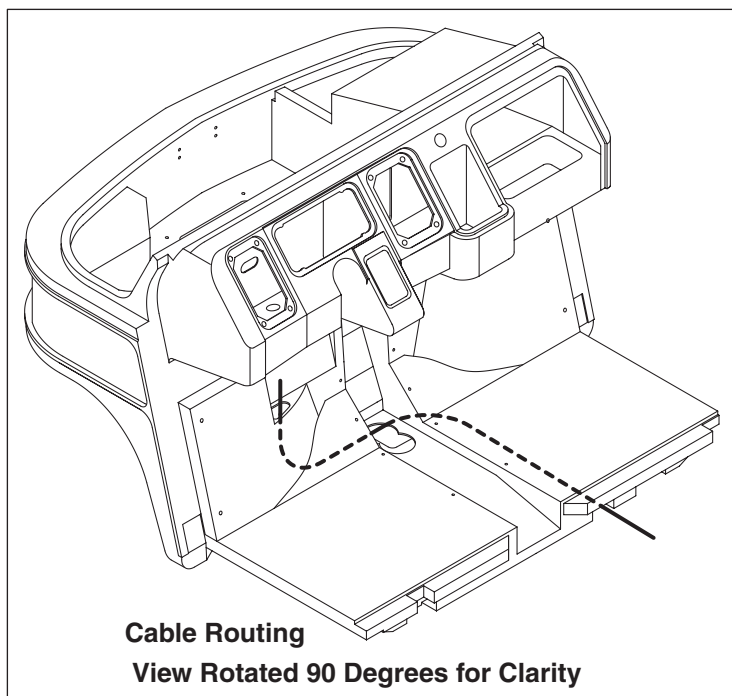
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	2701737.7	1	Bracket, Master Cylinder	6 Foot Length, cut to 18"
2	892921	1	Pedal, Brake	
3	840726	1	Bearing, Brake Pivot	
4	840725	1	Tube, Brake Pivot	
5	842935	1	Tab, Locking	
6	452388	2	Screw, M8-1.25 x 20 mm Flange	
7	450453	2	Nut, M8-1.25 Flange	
8	895113	1	Master Cylinder	
9	800930	2	Screw, M8-1.25 x 16 mm Flange	
10	894167	1	Rod, Brake	
11	806714	1	Clevis Pin, 5/16 x 15/16"	
12	103867	1	Flat Washer, 5/16	
13	306328	1	Cotter Pin, 3/32 x 3/4"	
14	894456	1	Reservoir, Brake Fluid	
	2702215	1	• Reservoir	
	826006	1	• Electrical Connector, 2 Wire	
	825886	2	• Terminal, 1/4 "L" Male	
15	800934	2	Screw, M6-1 x 16 mm Flange	
16	830930	4	Clamp, Hose	
17	7040	AR	Hose, 5/16" Brake	
18	810152	1	Pad, Pedal	
19	894308	1	Switch, Brake Micro	
20	450410	2	Screw, M3-0.5 x 20 mm Pan Head	
21	452424	2	Nut, M3-0.5 Hex	
22	452398	7	Screw, M10-1.5 x 20 mm Flange	
23	843021	1	Tube, Front Brake	
24	843022	1	Tube, Rear Brake	
25	842103	1	Union, M10-1	
26	842051	1	Tube, Rear Brake Line	
27	809137	1	Clip, Brake Line	
28	REF	1	Rear Brake Hose	See 39.1
29	810435	2	Clamp, Brake Tube	See 37.1
30	450454	1	Nut, M10-1.5 Flange	
31	REF	1	Bracket, Reservoir / Horn	See 17.1
32	REF	1	Tee, M10-1.0 Flare Union	
33	812445	1	Clamp, Tube	
34	800943	1	Screw, #10-14 x 5/8" Self Tapping	

> Change from previous revision

TURF TRUCKSTER

8.1 Clutch Pedal Linkage

Serial No. 84043 All
Serial No. 84044 All
Serial No. 898627 All
Serial No. 84054 All

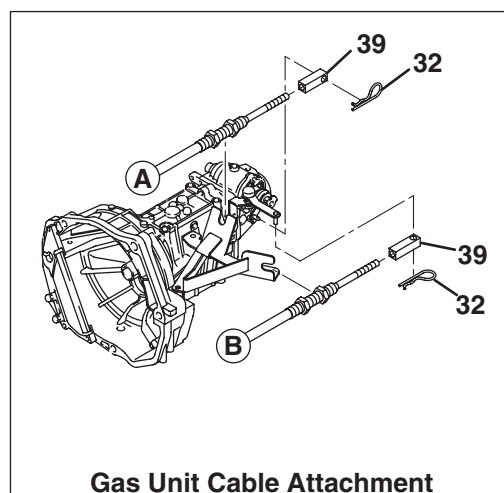
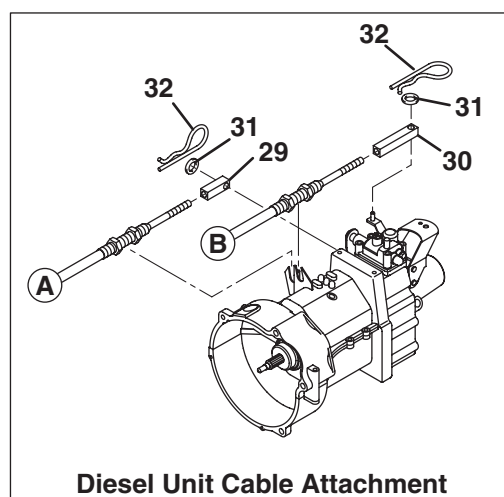
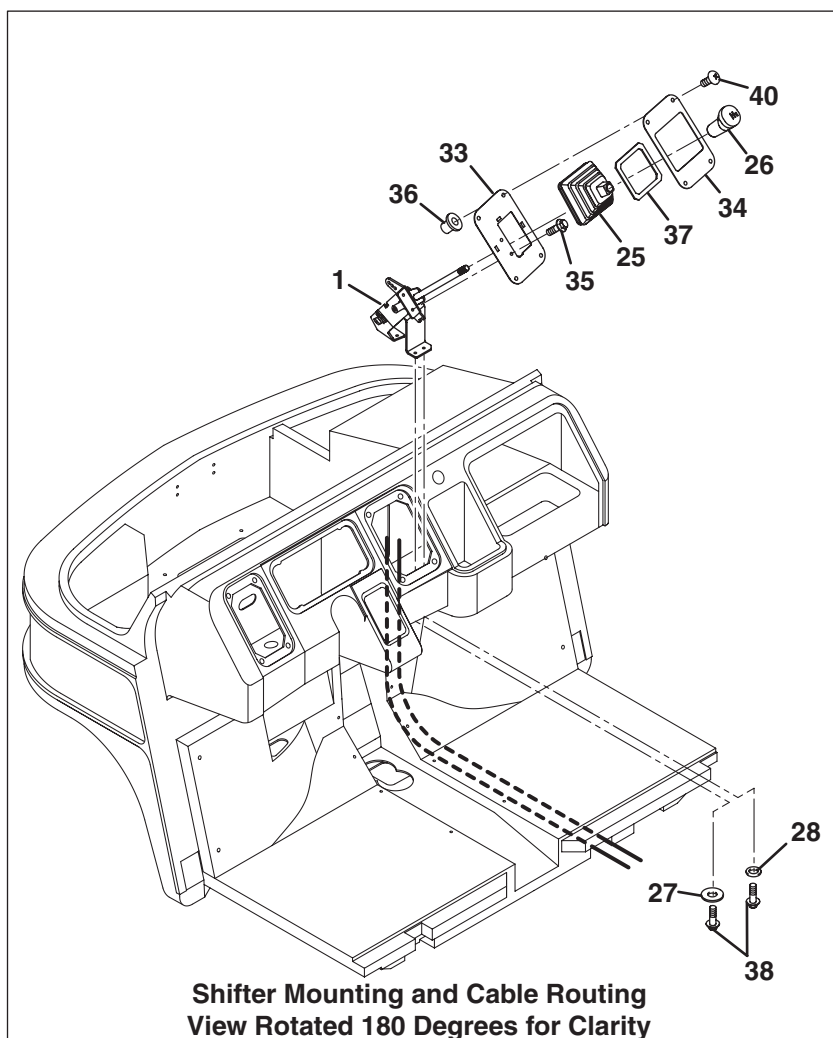
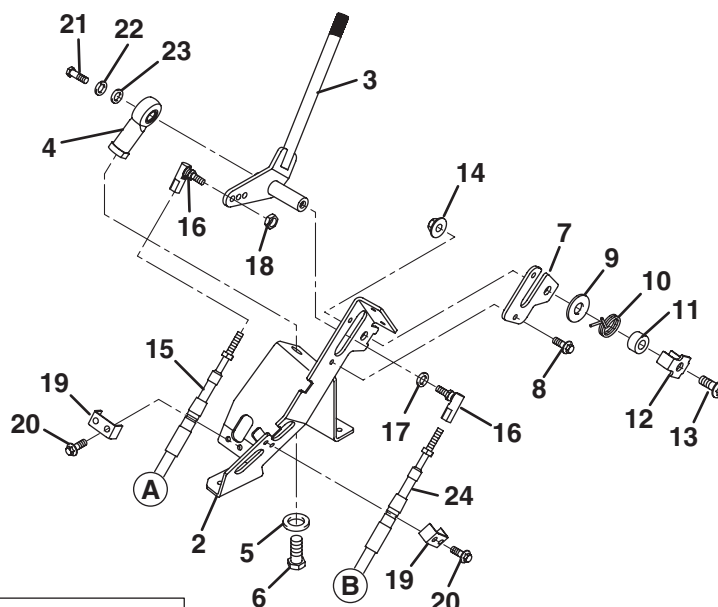


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	892933	1	Pedal, Clutch	
2	840726	1	Bearing, Brake Pivot	
3	844611	1	Spring, Torsion	
4	840725	1	Tube, Pedal Pivot	
5	842935	1	Tab, Locking	
6	452388	1	Screw, M8-1.25 x 20 mm Flange	
7	450453	1	Nut, M8-1.25 Flange	
8	894308	1	Switch, Clutch Micro	
9	450510	2	Screw, M3-0.5 x 20 mm Pan Head	
10	452424	2	Nut, M3-0.5 Flange	
11	4119634	1	Cable, Clutch	Diesel Units
11	895013	1	Cable, Clutch	Gas Units
12	844202	2	Washer, Slotted	
13	806714	1	Clevis Pin, 5/16 x 15/16"	
14	306328	1	Cotter Pin, 3/32 x 3/4"	
15	810152	1	Pad, Pedal	
16	842010	1	Bushing, Clutch Release Arm	Diesel Units Only
17	833273	1	Bushing	Diesel Units Only
18	450377	1	Nut, M6-1 Nylock	Diesel Units Only
19	23266-85002	1	Arm, Clutch Release	Diesel Units Only
20	01550-08353	1	Screw	Diesel Units Only
21	2703002	1	Nut	Diesel Units Only
22	REF	1	Rear Alternator Bracket	Diesel Units Only, See 24.1

> Change from previous revision

9.1 Manual Transmission Shifter Linkage

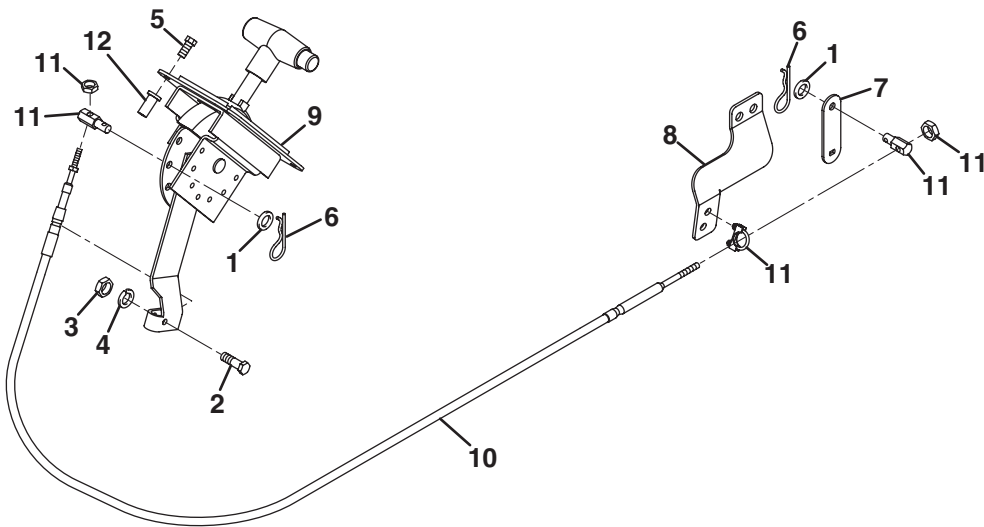
Serial No. 84043 All
Serial No. 84044 All
Serial No. 898627 All
Serial No. 84054 All



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	893966	1	Shifter Assembly	Diesel Units
1	2701274	1	Shifter Assembly	Gas Units
2	2703956.7	1	• Mount, Shifter	
3	2703953	1	• Selector, Gear	
4	842773	1	• Rod End, 1/2-20	
5	308091	1	• Flat Washer, 1/2	
6	311763	1	• Screw, 1/2-20 x 2-1/4" Hex Head	
7	843679	1	• Plate, Wear	
8	452692	2	• Screw, M6-1 x 12 mm Self Tap	
9	604174	1	• Flat Washer, 3/8"	
10	843614	1	• Spring, Torsion	
11	843685	1	• Bushing, Spring	
12	2703951	1	• Tab, Locating	
13	452401	1	• Screw, M10-1.5 x 40 mm Flange	
14	450454	1	• Nut, M10-1.5 Flange	
15	894179	1	• Cable, Shifter	Diesel Units
15	2701273	1	• Cable, Shifter	Gas Units
16	842774	2	• Ball Joint, 1/4-28	
17	816307	1	• Flat Washer, 1/4	
18	306397	1	• Nut, 1/4-28 Hex	
19	843724	2	• Clamp, Cable	
20	452695	4	• Screw, M6-1 x 20 mm Self Tap	
21	300977	1	• Screw, 1/4-28 x 5/8" Hex Head	
22	306396	1	• Lockwasher, 1/4	
23	308090	1	• Flat Washer, 1/4	
24	894179	1	• Cable, Shifter	Diesel Units
24	2701328	1	• Cable, Shifter	Gas Units
25	2702996	1	Boot, Control Lever	
26	2702695	1	Knob, Shifter	
27	548175	3	Flat Washer, 1/4 x 1-1/4"	
28	308090	1	Flat Washer, 1/4	
29	843778	1	Connector, Shift Cable	Diesel Units Only
30	2703707	1	Connector, Shift Cable	Diesel Units Only
31	103867	2	Flat Washer, 5/16	Diesel Units Only
32	821164	2	Hair Pin	
33	2703964.7	1	Panel, Right Side Dash	
34	843792	1	Plate, Shifter Boot	
35	452692	2	Screw, M6-1 x 12 mm Self Tap	
36	2700496	4	Insert, 1/4-20 Threaded	
37	2703931.7	1	Ring, Boot Hold Down	
38	452695	4	Screw, M6-1 x 20 mm Self Tap	
39	2701371	2	Connector, Shift Cable	Gas Units Only
40	800582	4	Screw, 1/4-20 x 3/4" Truss Head	

> Change from previous revision

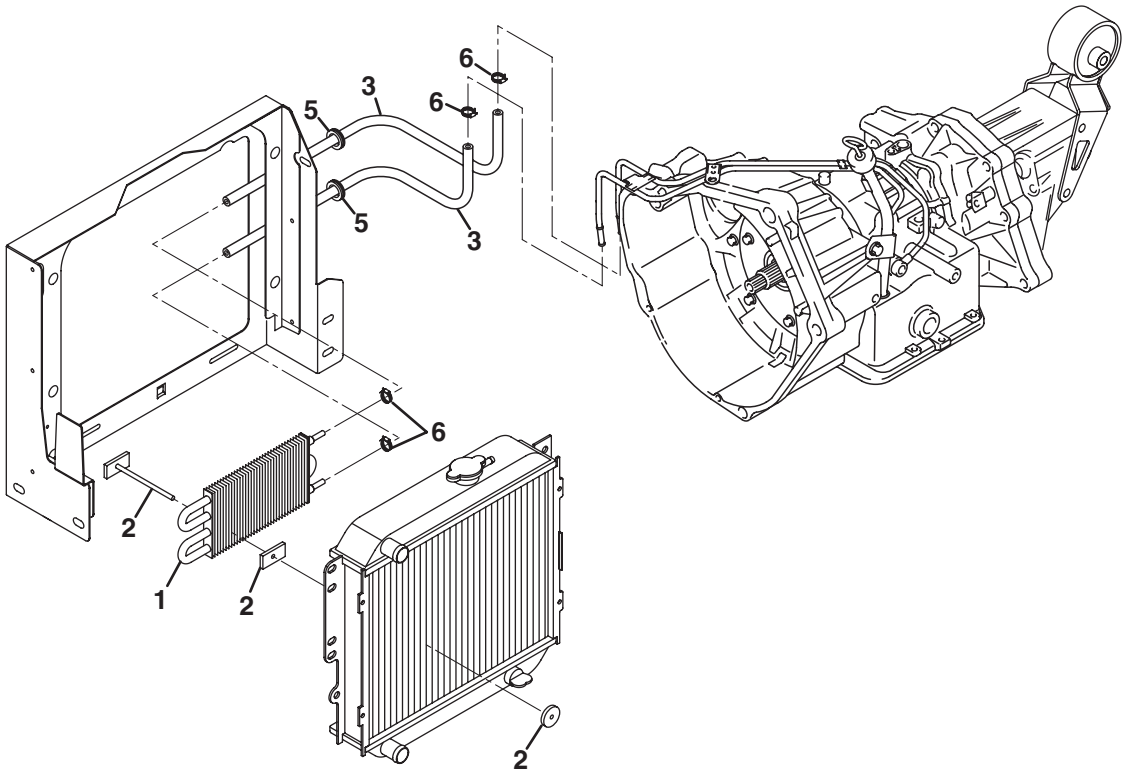
10.1 Automatic Transmission Shifter



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	103867	2	Flat Washer, 5/16	
2	302030	1	Screw, 1/4-20 x 1-1/4"	
3	306375	1	Nut, 1/4-20 Hex	
4	306396	1	Lockwasher, 1/4	
5	800582	4	Screw, 1/4-20 x 3/4"	
6	821164	2	Hair Pin, 1/4 x 1-1/8"	
7	842740	1	Lever, Shifter	
8	845345.7	1	Bracket, Shifter Cable Mount	
9	894584	1	Shifter with Cable	
10	894508	1	• Cable, Shifter	
11	892164	1	• Kit, Cable Mounting Hardware	
12	2700496	4	Insert, 1/4-20	

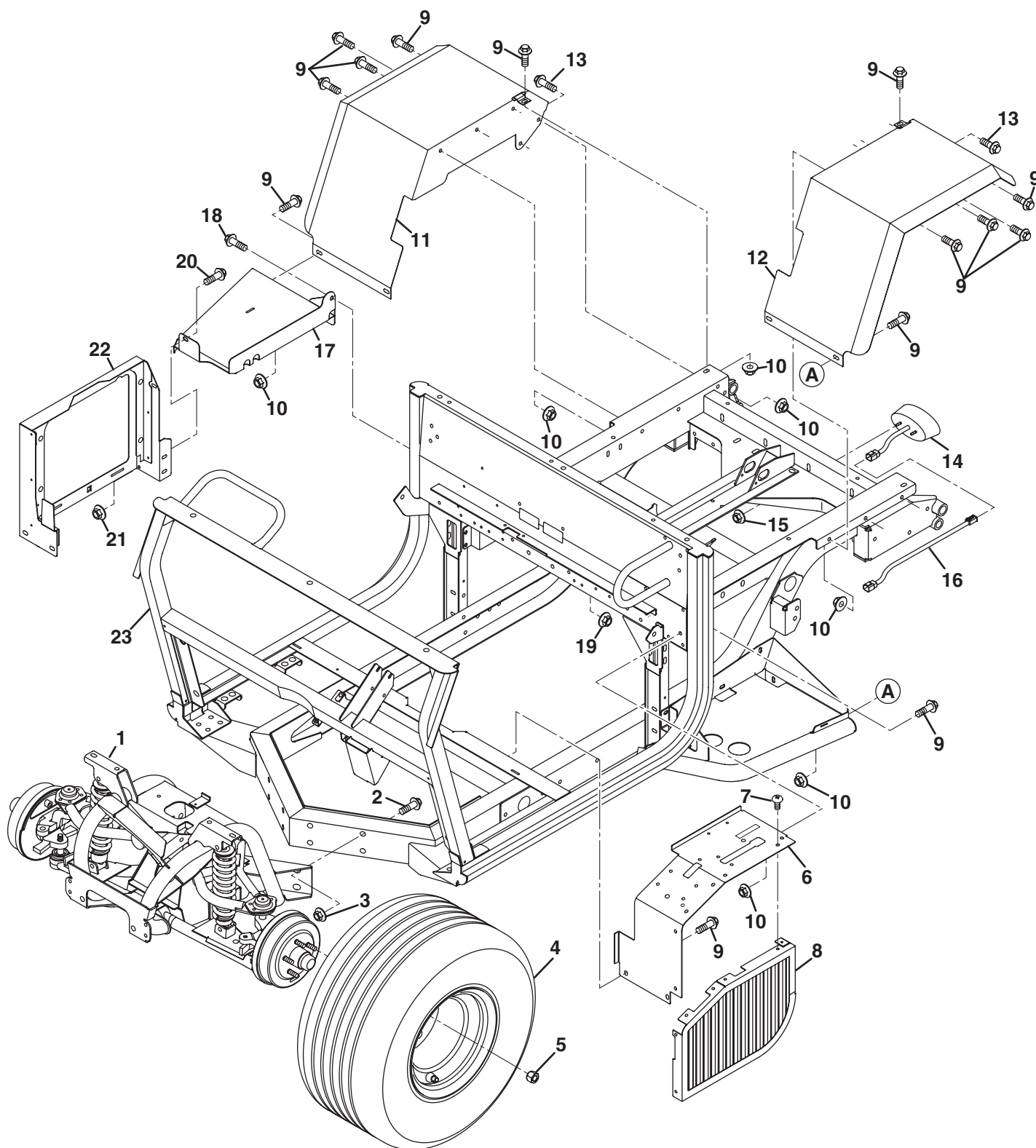
> Change from previous revision

11.1 Automatic Transmission Oil Cooler



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	838340	1	Oil Cooler	
2	800789	1	Kit, Oil Cooler Mounting	
3	826590	AR	Hose, 5/16 I.D.	
4	821893	AR	Trim, Push On	
5	809231	2	Grommet	
6	825264	4	Hose Clamp	

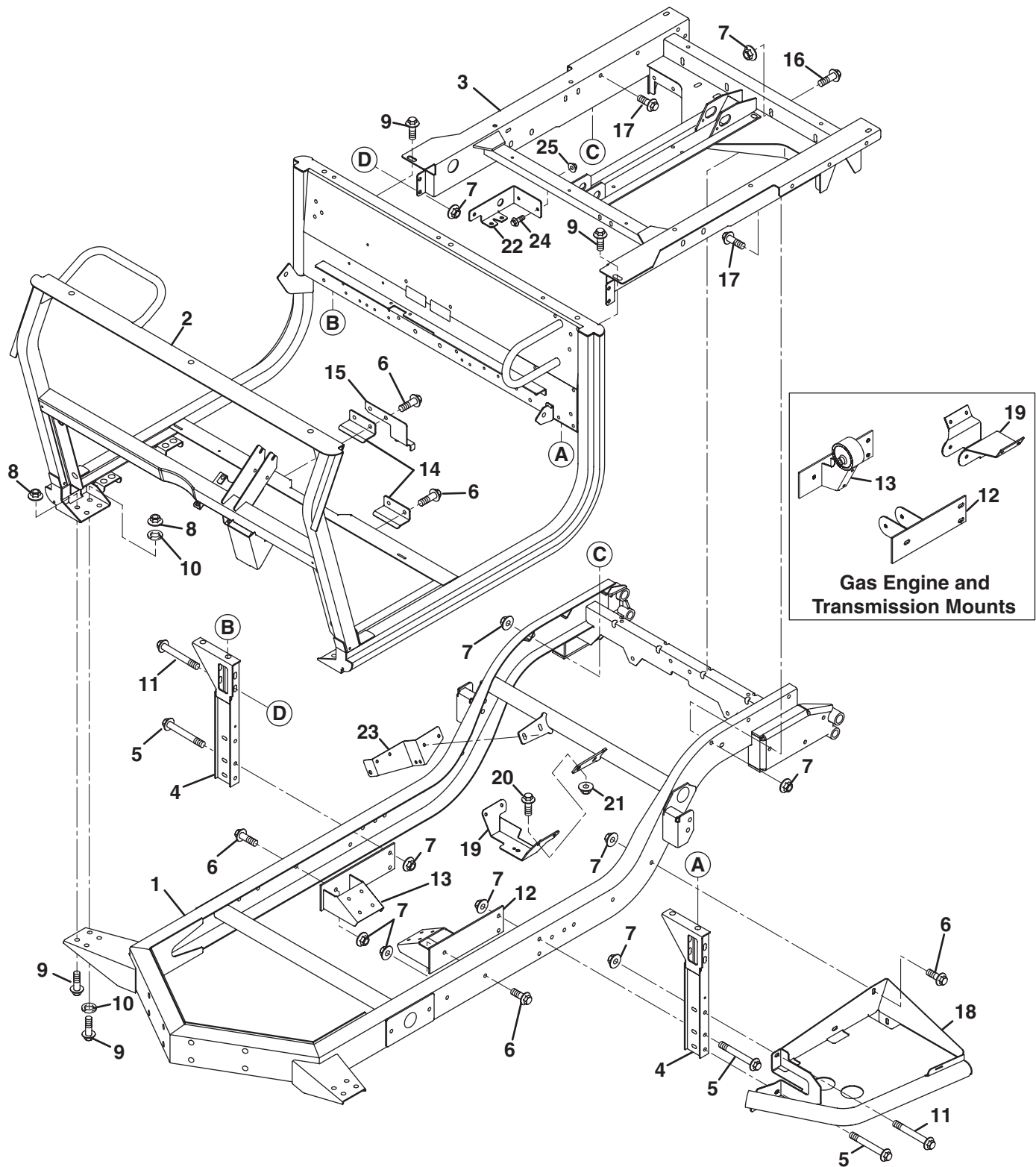
> Change from previous revision



TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	REF	1	Front Suspension	See 15.1, 16.1 and 17.1
2	452415	8	Screw, M12-1.75 x 80 mm Flange	
3	450454	8	Nut, M10-1.5 Hex Flange	
4	4139806G03	2	Wheel and Tire, Multi Rib	Standard
4	4139806G03	2	Wheel and Tire, Turf Master	Optional
4	4139806G03	2	Wheel and Tire, USA Trail	Optional
	4139793	1	• Rim, 10.00 x 7" Five Bolt	3.94" Bolt Circle
	N/S	1	• Tire, 20 x 10.00 - 10 Multi Rib	Used on 4139806G03, Obtain Locally
	N/S	1	• Tire, 20 x 10.00 - 10 Turf Master	Used on 4139806G01, Obtain Locally
	N/S	1	• Tire, 20.5 x 8.00 - 10 USA Trail	Used on 4139806G02, Obtain Locally
	886735	1	• Valve Stem	
5	800909	2	Nut, M12-1.5 Wheel Lug	
6	REF	1	Panel, Console	See 5.1
7	800026	7	Screw, 1/4-20 Truss Head	
8	894232	1	Cover, Left Side Engine	
9	452398	18	Screw, M10-1.5 x 20 mm Flange	
10	450454	20	Nut, M10-1.5 Hex Flange	
11	893488	1	Fender, Right Side	
12	893487	1	Fender, Left Side	
13	452399	2	Screw, M10-1.5 x 25 mm Flange	
14	893602	1	Stop and Tail Light	
	822049	1	• Bulb, No. 1157	
	312288	2	• Lens, Screw	
	829099	1	• Lens and Gasket	Includes License Illuminator Lens
15	548910	2	Nut, 1/4-20 Serrated Flange	
16	894313	1	Harness, Taillight Wire	
17	4117153.7	1	Support, Fuel Tank	
18	800177	1	Screw, 5/16-18 x 3/4" Truss	
19	548911	1	Nut, 5/16-18 Hex Flange	
20	800930	1	Screw, M8-1.25 x 16 mm Flange	
21	450453	1	Nut, M8--1.25 Hex Flange	
22	REF	1	Radiator Support	
23	REF	1	Frame, Lower ROPS and Platform	See 13.1

> Change from previous revision



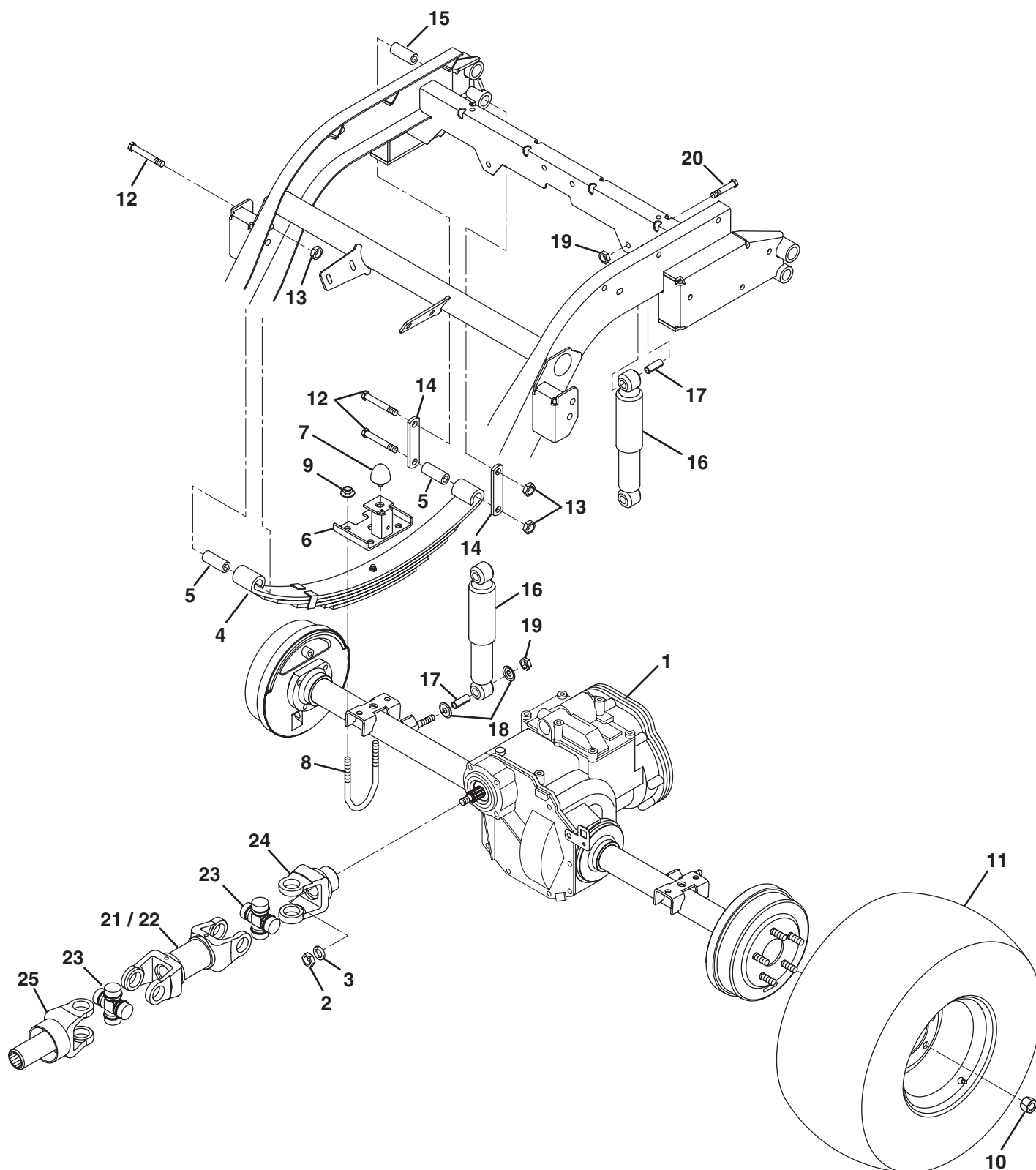
TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	893235.7	1	Frame, Main 4 Wheel	Standard Frame, Painted Black
1	893235G	1	Frame, Galvanized Main 4 Wheel	Optional Galvanized Frame
2	893145.7	1	ROPS, Lower	
3	893199.7	1	Platform, Truckster	Standard Platform, Painted Black
3	893199-G02	1	Platform, Galvanized Truckster	Optional Galvanized Platform
4	893525G01	2	Support, Platform	
5	452406	4	Screw, M10-1.5 x 90 mm Flange	Grade 8.8
6	452398	8	Screw, M19-1.5 x 20 mm Flange	Grade 8.8
7	450454	20	Nut, M10-1.5 Hex Flange	
8	450455	8	Nut, M12-1.75 Hex Flange	
9	452410	12	Screw, M12-1.75 x 30 mm Flange	
10	309067	2	Lockwasher, 1/2 Shakeproof	
11	452405	5	Screw, M10-1.5 x 80 mm Flange	
12	893581	1	Mount, Left Side Diesel Engine	Diesel Units
12	894998.7	1	Mount, Left Side Gas Engine	Gas Units
13	893582	1	Mount, Right Side Diesel Engine	Diesel Units
13	2701697.7	1	Mount, Right Side Gas Engine	Gas Units
14	842870G01	2	Angle, Support	
15	844647G01	1	Angle, Hold Down	
16	452403	4	Screw, M10-1.5 x 60 mm Flange	
17	452402	6	Screw, M10-1.5 x 50 mm Flange	
18	2703294.7	1	Guard, Hydraulic Tank	
19	843568	1	Transmission Mount	Diesel Units
19	845206.7	1	Transmission Mount	Gas Units
20	452389	4	Screw, M8-1.25 x 25 mm Flange	
21	450453	4	Nut, M8-1.25 Flange	
22	4139924	1	Bracket, Fuel System	Diesel Units
23	2701693.7	1	Bracket, Fuel System	Gas Units
24	452378	2	Screw, M6-1 x 20 mm Hex Flange	
25	450452	2	Nut, M6-1 Hex Flange	

> Change from previous revision

14.1 Rear Axle

Serial No. All

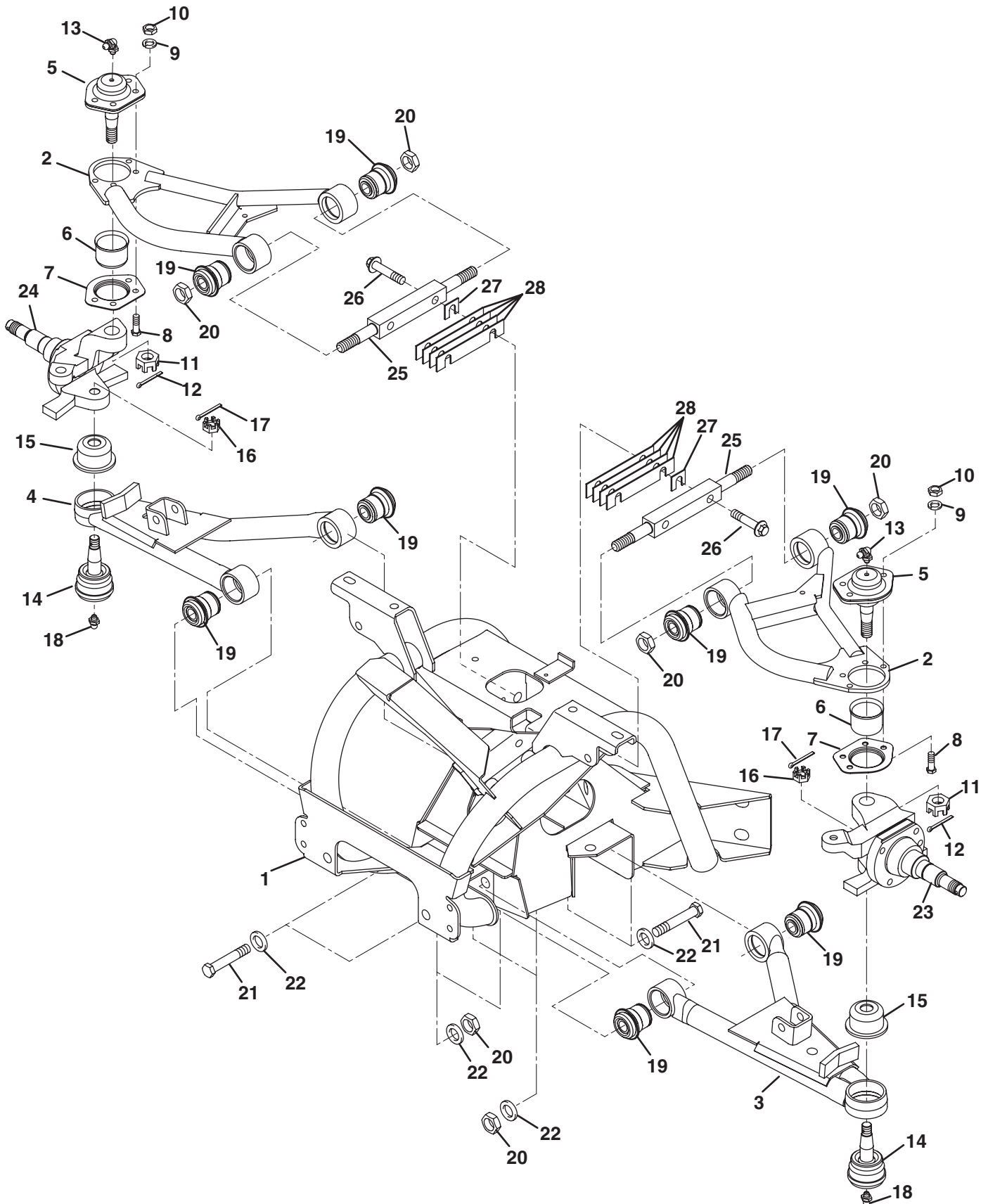


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	893491	1	11.16:1 Rear Differential Assembly	Diesel Units, See 39.1
1	894509	1	14.21:1 Rear Differential Assembly	Gas Units, See 39.1
2	800198	1	Locknut, 1/2-20	
3	809180	1	Flat Washer, 1/2	
4	893862	2	Spring, Leaf	
5	843238	2	• Bushing, Nylatron	
6	893613	2	Upstop	
7	813850	2	Bumper, Travel Limiting	
8	829044	4	U-Bolt, 2 x 5-1/4"	
9	548061	8	Nut, 7/16-14	
10	800909	10	Nut, M12-1.5 Wheel Lug	
11	2701174	2	Wheel and Tire Assembly	
	2218140-01	1	• Tire, 6 Ply	
	841434	1	• Rim, 12 x 10.50	
	886735	1	• Stem, Valve	
12	311398	6	Screw, 1/2-13 x 3-1/2" Hex Head	
13	800602	6	Nut, 1/2-13 Nylon Insert	
14	843876	4	Shackle, Rear Spring	
15	843238	2	Bushing, Nylatron	
16	807332	2	Shock Absorber	
17	823621	4	Bushing	
18	825500	4	Washer, 7/16 Cupped	
19	800294	4	Locknut, 7/16-14 Center	
20	311396	2	Screw, 7/16-14 x 2-1/4" Hex Head	
21	894272.7	1	Driveshaft, Complete	Diesel Engine
21	2701321.7	1	Driveshaft, Complete	Gas Engine, MT
21	895112.7	1	Driveshaft, Complete	Gas Engine, AT
	548482	3	• Plug, Expansion	
22	894433	1	• Shaft, Drive	Diesel Engine
22	895126	1	• Shaft, Drive	Gas Engines
23	826284	2	• Cross and Bearing Kit	Includes Grease Fitting
24	826285	1	• Yoke, Differential	
25	894432	1	• Yoke, Transmission	Diesel Engine
25	894192	1	• Yoke, Transmission	Gas Engine, MT
25	895125	1	• Yoke, Transmission	Gas Engine, AT

> Change from previous revision

15.1 Front Control Arms

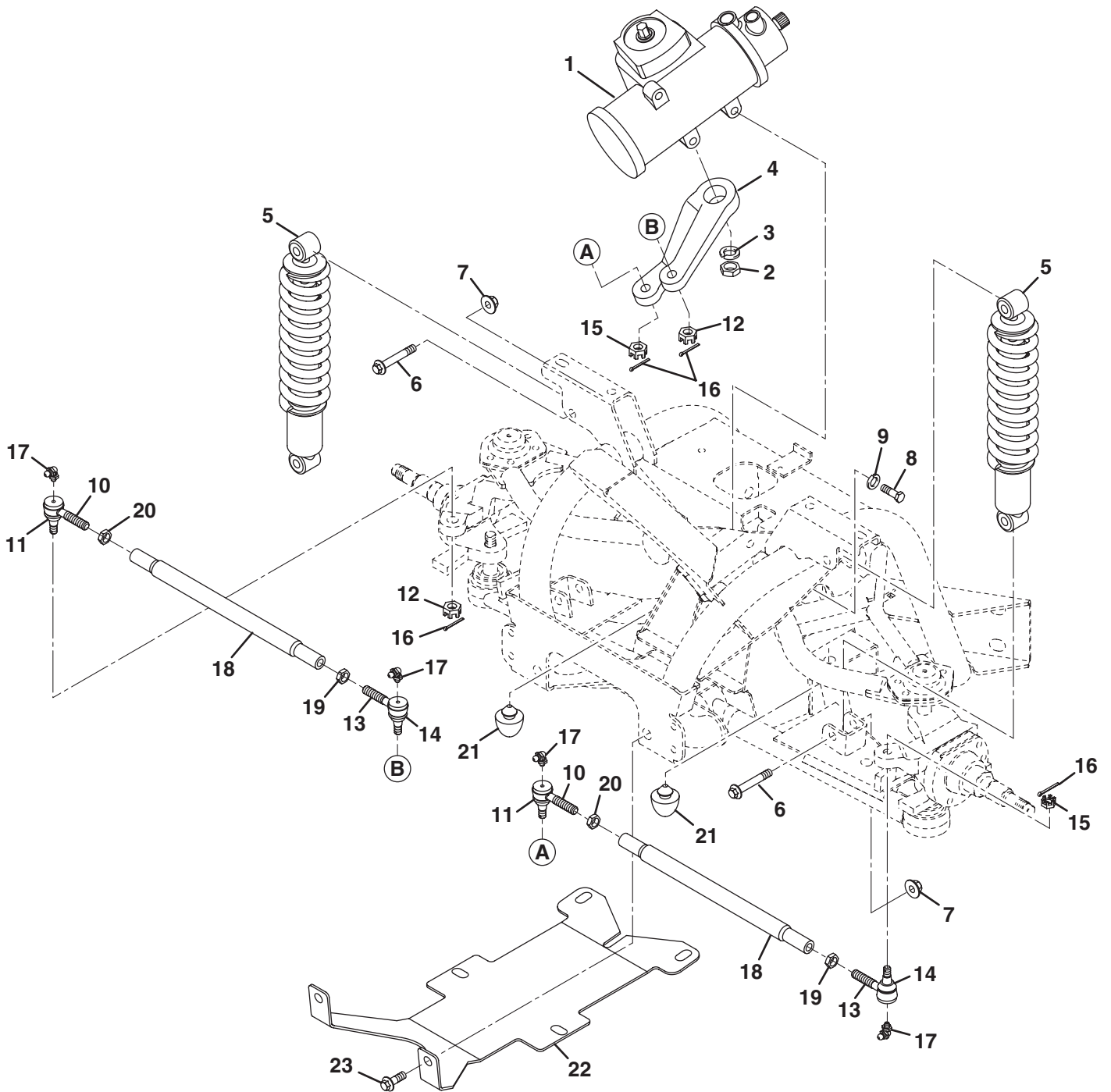
Serial No. All



TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	36106G01	1	Frame, 4 Wheel Steering	
2	893266	2	Upper Control Arm	
3	893233	1	Left Side Lower Control Arm	
4	893234	1	Right Side Lower Control Arm	
5	844148	2	Upper Ball Joint	
6	N/S	1	• Boot	
7	N/S	1	• Boot Retainer	
8	N/S	4	• Screw, 5/16-24 x 1” Hex Head	
9	N/S	4	• Lockwasher, 5/16	
10	548079	4	• Nut, 5/16-24 Hex	Black Oxide Finish, Grade 8 Black Oxide Finish Black Oxide Finish
11	306839	1	• Nut, 5/8-18 Slotted Hex	
12	460030	1	• Cotter Pin, 1/8 x 1-1/4”	
13	471221	1	• Grease Fitting, 1/4-28 90°	
14	841429	2	Lower Ball Joint	
15	N/S	1	• Boot	
16	800861	1	• Nut, 9/16-18 Slotted Hex	
17	460030	1	• Cotter Pin, 1/8 x 1-1/4”	
18	548224	1	• Grease Fitting, 1/4-28 Straight	Special Drive Thread
19	841167	8	Bushing, Silentbloc	
20	450382	8	Nut, M16-2 Locking Insert	
21	450077	4	Bolt, M16-2 x 90 mm Hex Head	Grade 8.8
22	450393	8	Washer, M16	
23	894573	1	Knuckle, Left Side Steering	
24	894574	1	Knuckle, Right Side Steering	
25	841630	2	Trunnion, Control Arm	
26	800945	2	Bolt, M12-1.75 x 60 mm Hex Head	Grade 10.9
27	841738	AR	Shim, .024” Thick	Add or remove shims as required to adjust CASTER angle.
28	841737	AR	Shim, .060” Thick	Add or remove shims as required to adjust CAMBER angle.

> *Change from previous revision*



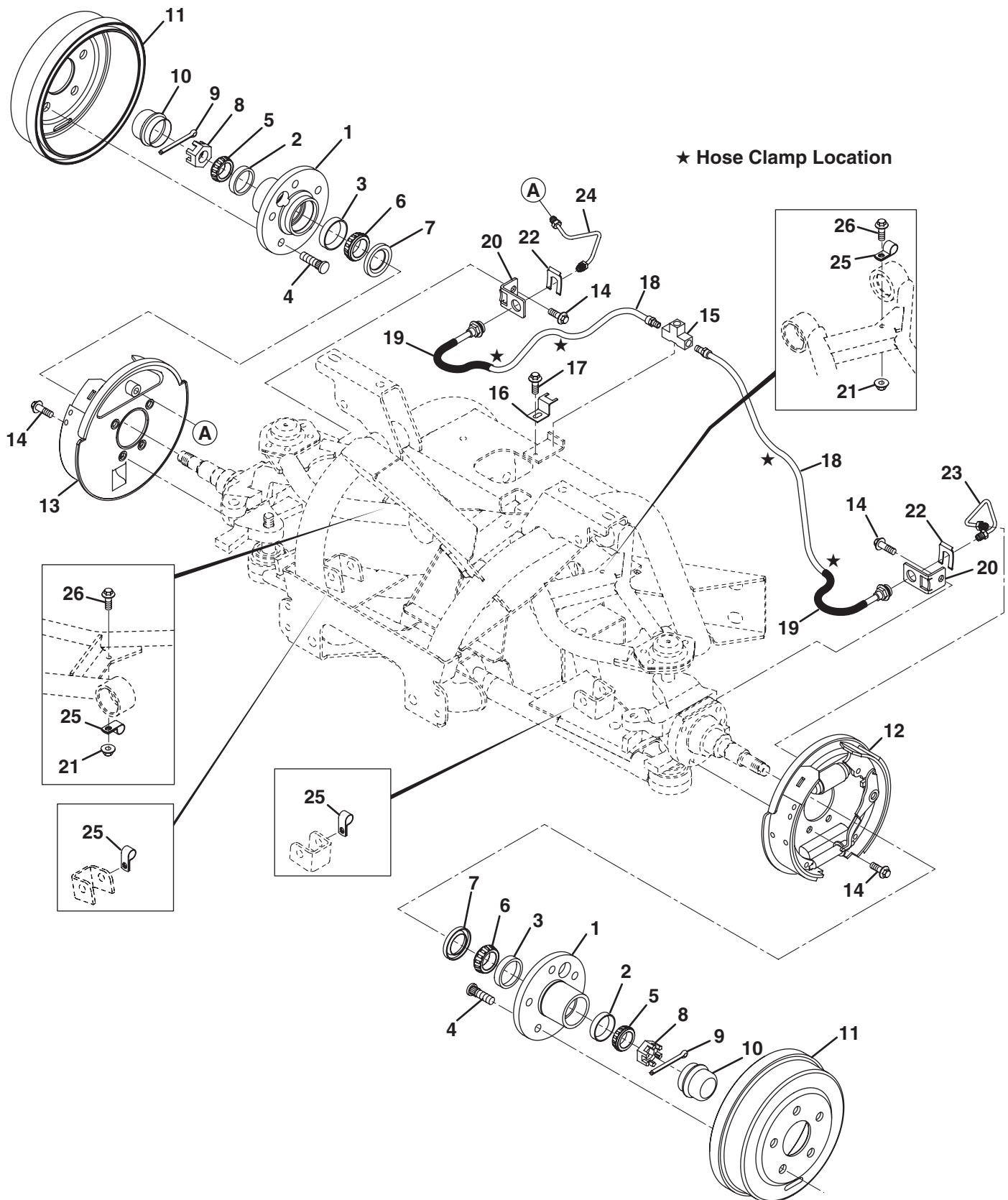
TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	841255	1	Steering Gear	Grade 10.9
2	305134	1	• Nut, 7/8-14 Hex Jam	
3	308008	1	• Lockwasher, 7/8	
4	841336	1	Arm, Pitman	
5	894635	2	Strut Assembly	
6	452413	4	Screw, M12-1.75 x 60 mm Hex Head	
7	450455	4	Nut, M12-1.75 Hex Flange	
8	311392	3	Screw, 7/16-14 x 2" Hex Head	
9	303269	3	Lockwasher, 7/16	
10	889681	2	End, Left Hand Thread Tie Rod	
11	816586	1	• Retainer, Grease	
12	306825	1	• Nut, 7/16-20 Castle	
13	889682	2	End, Right Hand Thread Tie Rod	
14	816586	1	• Retainer, Grease	
15	306825	1	• Nut, 7/16-20 Castle	
16	304636	4	Cotter Pin, 1/8 x 1-1/8"	
17	831405	4	Grease Fitting	
18	841404	2	Tie Rod	
19	800485	2	Nut, 9/16-18 Left Hand Thread Jam	
20	302944	2	Nut, 9/16-18 Right Hand Thread Jam	
21	813850	2	Bumper, Travel Limiting	
22	842033	1	Plate, Skid	
23	452408	6	Screw, M10-1.75 x 20 mm	Grade 10.9

> Change from previous revision

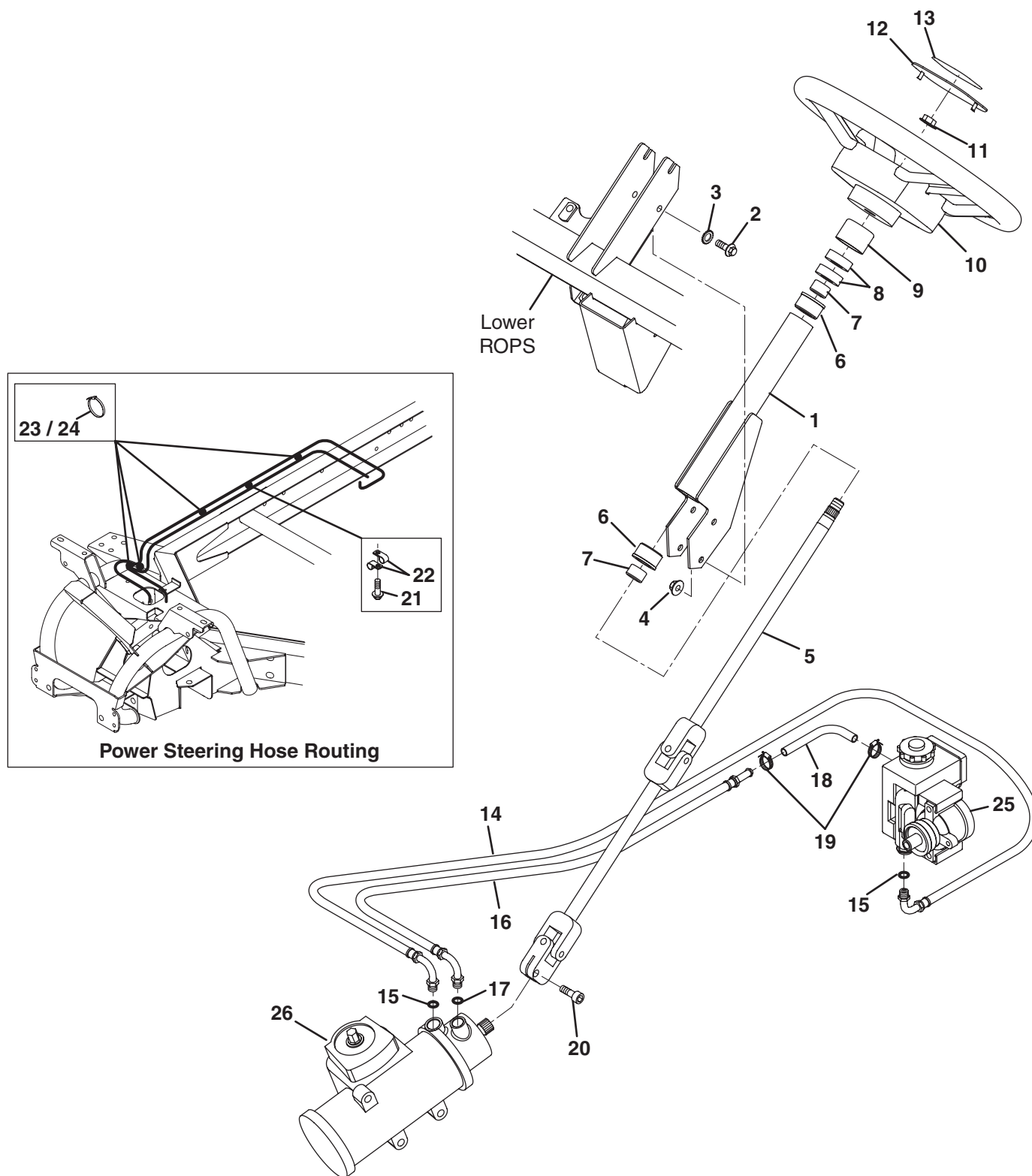
17.1 Front Brakes

Serial No. All



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	2702257.7	2	Front Hub	
2	808088	1	• Outer Bearing Cup	
3	814474	1	• Inner Bearing Cup	
4	800908	4	• Bolt, M12-1.5 x 42 mm Wheel	
5	385174	2	Outer Bearing Cone	
6	815403	2	Inner Bearing Cone	
7	817928	2	Seal, Grease	
8	2702247	2	Nut, 3/4-16 Castle	
9	304636	2	Cotter Pin, 1/8 x 1-1/8"	
10	817250	2	Cap, Grease	
11	841430	2	Brake Drum	
12	893585	1	Front Left Side Brake Assembly	
	894930	1	• Kit, Brake Cylinder	Replacement of Cylinder
	894931	1	• Kit, Brake Cylinder Repair	Repair of Cylinder
	894932	1	• Kit, Brake Shoe	Includes Left and Right sides
	894933	1	• Kit, Left Side Spring	
	894935	1	• Kit, Left Side Adjuster Repair	
13	893586	1	Front Right Side Brake Assembly	
	894930	1	• Kit, Brake Cylinder	Replacement of Cylinder
	894931	1	• Kit, Brake Cylinder Repair	Repair of Cylinder
	894932	1	• Kit, Brake Shoe	Includes Left and Right sides
	894934	1	• Kit, Right Side Spring	
	894936	1	• Kit, Right Side Adjuster Repair	
14	452398	10	Screw, M10-1.5 x 20 mm Hex Flange	Grade 8.8
15	841842	1	Tee, M10-1.0 Flare Union	
16	843418	1	Clamp, Tee	
17	452692	1	Screw, M6-1.0 x 12 mm Hex Flange	
18	841841	2	Hose, Brake	
19	2703081	2	Protector, Brake Hose	
20	842104	2	Bracket, Brake Tube	
21	840452	2	Nut, M6-1.0 Hex Flange	
22	809137	2	Clip, Brake Hose Retaining	
23	2702217	1	Tube, Left Front Brake	
24	841839	1	Tube, Right Front Brake	
25	810437	4	Clamp, Hose	
26	452378	2	Screw, M6-1.0 x 20mm Hex Flange	

> Change from previous revision



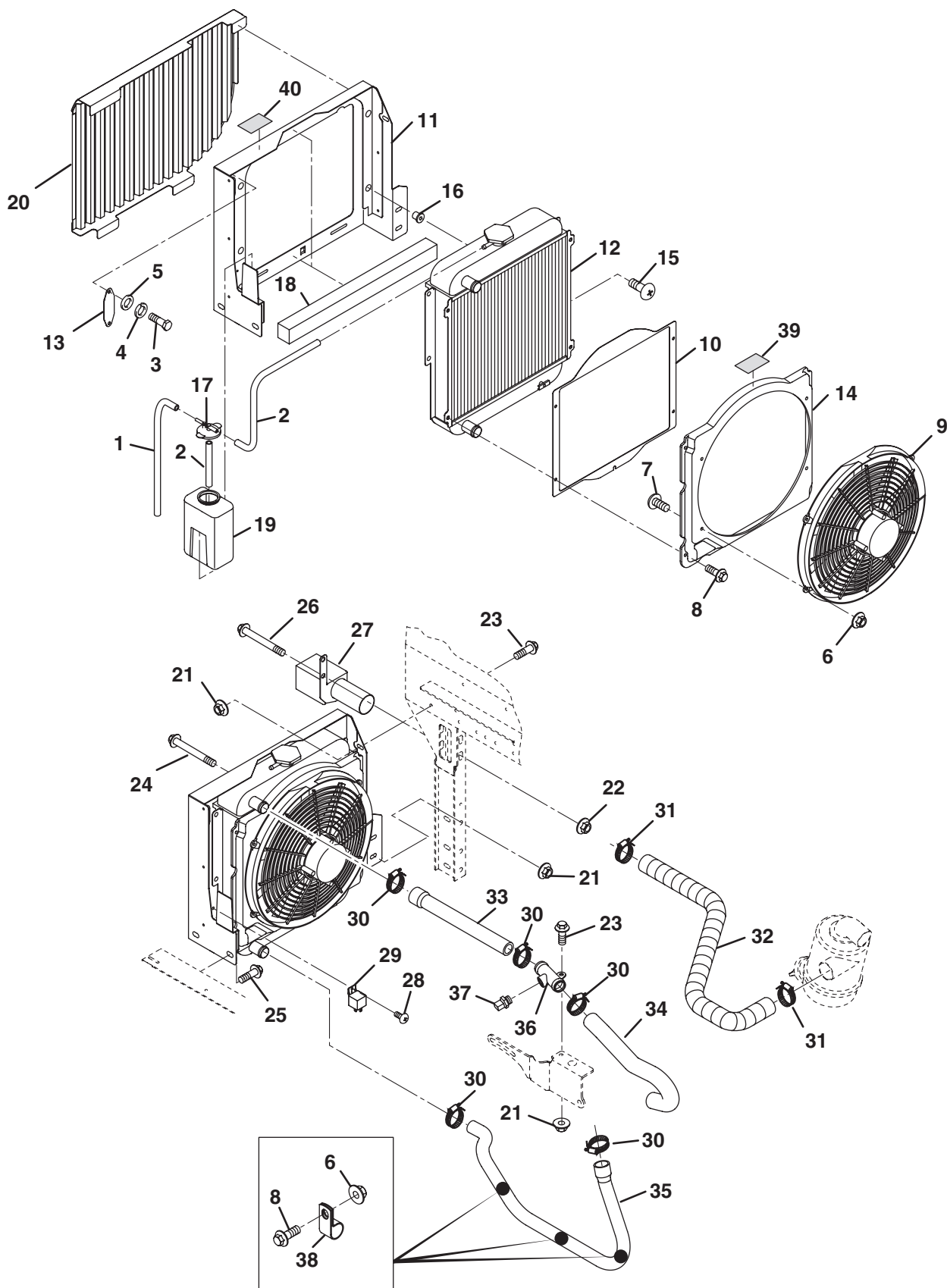
TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	893571	1	Tube, Steering Mount	
2	800930	4	Screw, M8-1.25 x 16 mm Flange	
3	306799	4	Lockwasher, 5/16 External Tooth	
4	450453	4	Nut, M8-1.25 Flange	
5	893344	1	Shaft, Steering	
	887259	2	Bearing Assembly	
6	828590	1	• Housing, Bearing	
7	808060	1	• Bearing, Needle	
8	819923	2	Collar, Foam	
9	2700453	1	Cover, Steering Tube	
10	892228	1	Steering Wheel	
11	450457	1	Nut, M16-2 Flange	
12	892486	1	Cover, Steering Wheel	
13	839862	1	• Decal, Steering Wheel	
14	843767	1	Hose, Power Steering Pressure	
15	111838	2	• O-Ring	
16	843768	1	Hose, Power Steering Return	
17	111838	1	• O-Ring	
18	840222	1	Hose, Formed	
19	830930	2	Clamp, Hose	
20	450739	1	Screw, M10-1.5 x 30 mm Socket	
21	800943	1	Screw, #10-14 x 5/8" Self Tapping	
22	809092	2	Clamp, Tube	
23	320107	3	Cable Tie, 7-1/2"	Secure hoses together
24	823549	4	Cable Tie, 15-1/2"	Secure Hoses to Frame
25	839328	1	Power Steering Pump with Reservoir	See 24.1 or 25.1 for mounting. Service parts for pump are available at most automotive parts centers. Refer to 1991-1992 Buick Regal with a 3.8 liter V6 Engine. (Saginaw Pump # 26025515)
	2700573	1	• Cap, Steering Reservoir	See 16.1
26	REF	1	Gear, Steering	

> Change from previous revision

19.1 Diesel Radiator

Serial No. 84043 All
Serial No. 84044 All



TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	843862	AR	Tube, 1/4" I.D. Clear Vinyl	10 Foot Length, Cut to 8"
2	835805	AR	Hose, Radiator Overflow	
3	300646	2	Screw, 1/4-20 x 3/4" Hex Head	
4	306396	2	Lockwasher, 1/4	
5	308090	2	Flat Washer, 1/4	
6	450452	7	Nut, M6-1 Hex Flange	
7	450541	4	Screw, M6-1 x 16 mm Hex Flange	
8	452378	7	Screw, M6-1 x 20 mm Hex Flange	
9	600991	1	Fan, 13" Hi-Perf Puller	
10	600992	1	Panel, Shroud	
11	601591	1	Frame, Radiator	
12	601592	1	Radiator	
13	601595	1	Plate, Blockoff	
14	601596	1	Shroud, 13" Fan	
15	800177	4	Screw, 5/16-18 x 3/4"	
16	831846	4	Nut, Isolation	
17	833440	1	Cap, Overflow Bottle	
18	833512	2	Seal, Radiator Foam	
19	889050	1	Overflow Bottle	
20	893554	1	Screen, Right Side	
21	450453	3	Nut, M8-1.25 Hex Flange	
22	450454	2	Nut, M10-1.5 Hex Flange	
23	452388	2	Screw, M8-1.25 x 20 mm Hex Flange	
24	452395	1	Screw, M8-1.25 x 80 mm Hex Flange	
25	452398	2	Screw, M10-1.5 x 20 mm Hex Flange	
26	452406	2	Screw, M10-1.5 x 90 mm Hex Flange	
27	601585	1	Box, Air	
28	800146	1	Screw, #10 x 3/4 Thread Cutting	
29	2700867	1	Relay, 12V 70A	
30	820889	6	Clamp, Hose	
31	11391G7	2	Clamp, Hose	
32	36092G01	1	Hose, 2" x 16" High Temp Air	
33	4139196	1	Hose, Upper Radiator	
34	2703281	1	Hose, Upper	
35	844391	1	Hose, Lower Radiator	
36	894348	1	Tube, Fan Switch	
37	17680-50F70	1	Switch, Fan	
38	825884	3	Clamp, Hose	
39	840754	1	Decal, Radiator Pressure Warning	
40	009034880	1	Decal, Fan Warning	
41	601586	1	Harness, Fan Wiring	Not Shown, See 50.1
42	601572	1	Harness, Perkins Engine Wiring	Not Shown, See 50.1

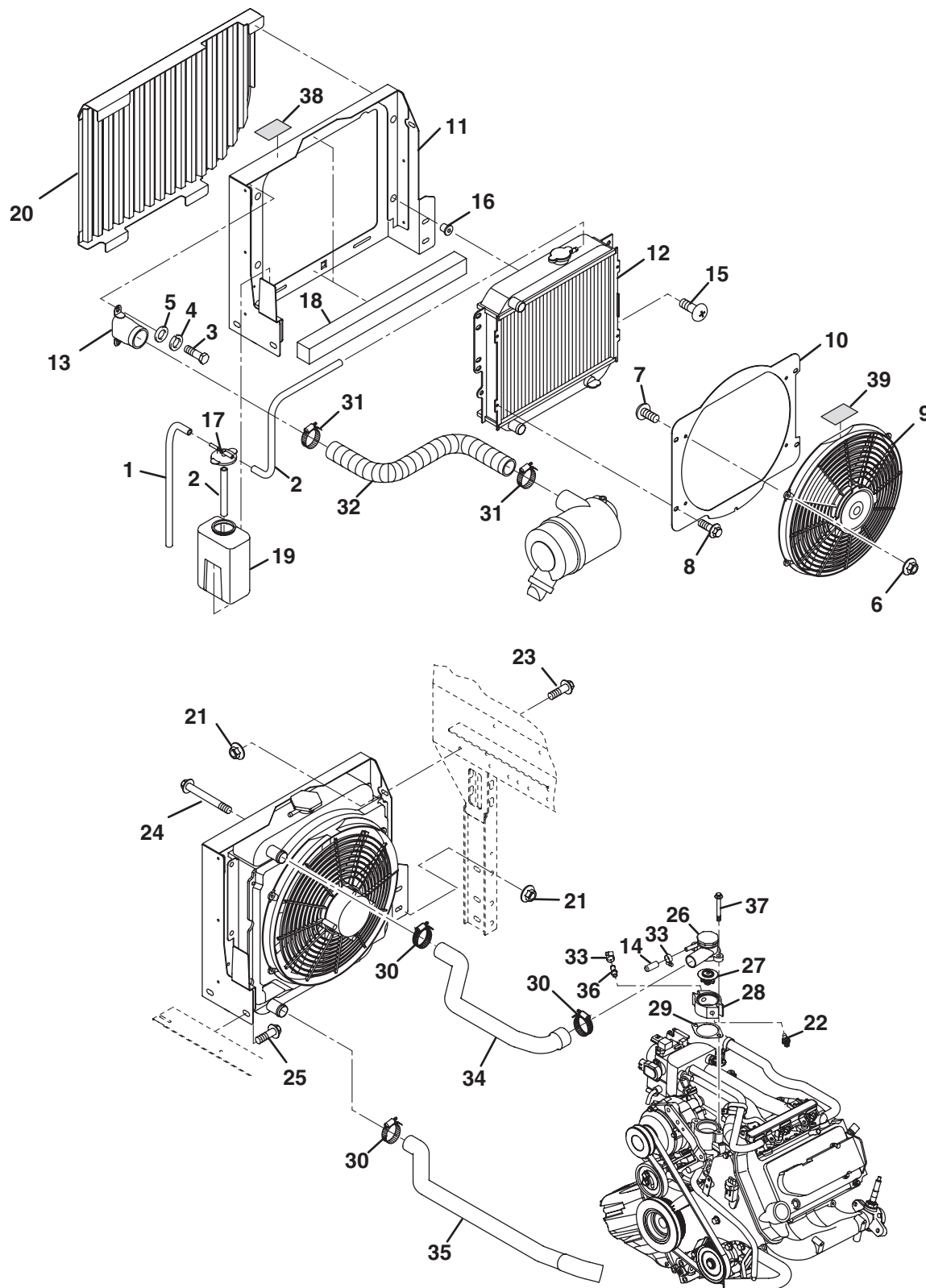
> Change from previous revision

20.1 Gas Radiator

Serial No. 898627 All

Serial No. 898628 All

Serial No. 84054 All



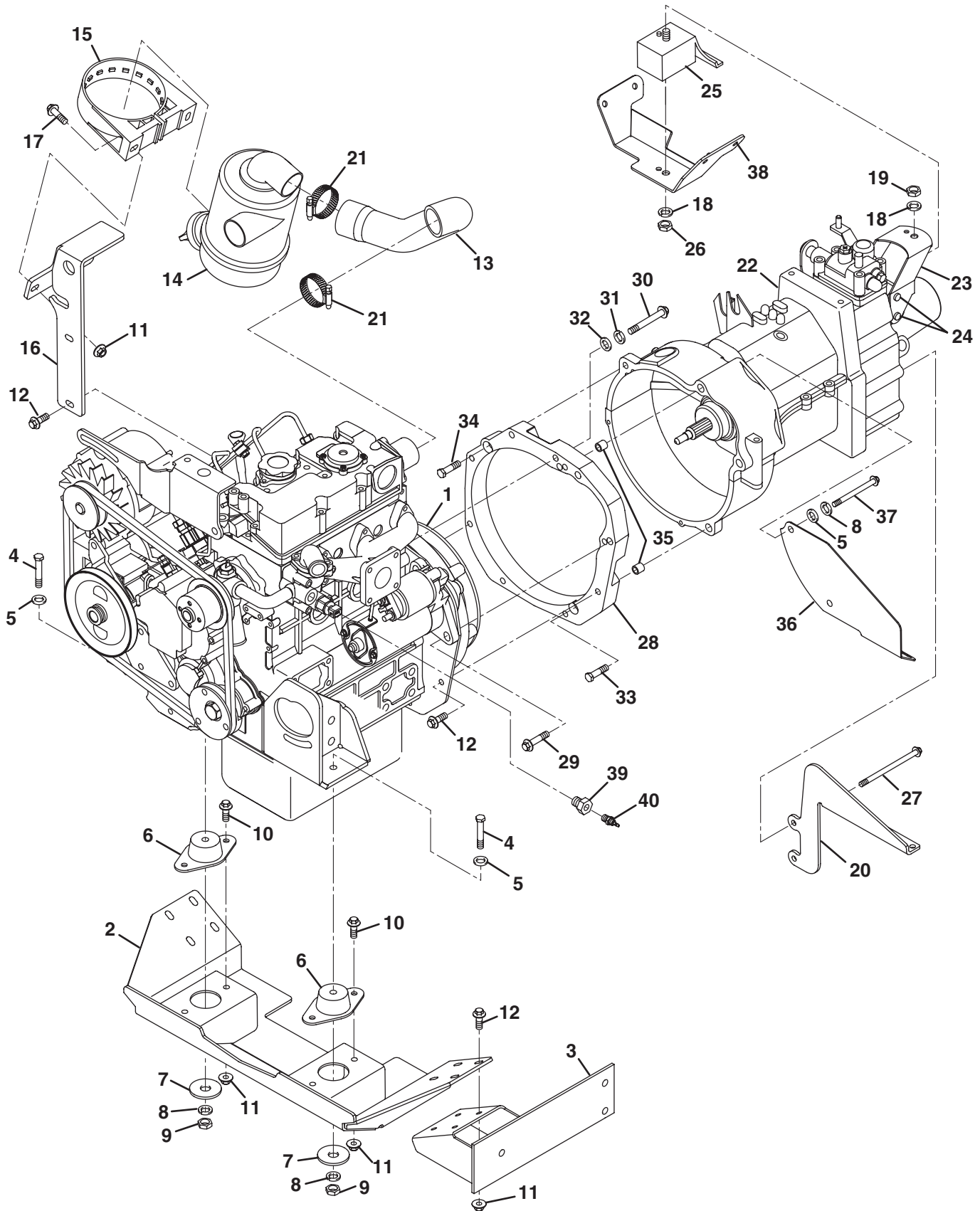
TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	843296	AR	Tube, 1/4" I.D. Clear Vinyl	10 Foot Length, Cut to 8"
2	835805	AR	Hose, Radiator Overflow	
3	300646	2	Screw, 1/4-20 x 3/4" Hex Head	
4	306396	2	Lockwasher, 1/4	
5	308090	2	Flat Washer, 1/4	
6	450452	7	Nut, M6-1 Hex Flange	
7	450541	4	Screw, M6-1 x 16 mm Hex Flange	
8	452378	7	Screw, M6-1 x 20 mm Hex Flange	
9	4115033	1	Fan, 13" Radiator	
10	4115029.7	1	Panel, Shroud	
11	893388	1	Frame, Radiator	
12	894590	1	Radiator	
	889049	1	• Cap, Radiator	
	833433	1	• Plug, Drain	
	833442	1	• O-Ring	
13	888549	1	Connector, Hose	
14	845224	1	Cap, 1/4 x 1"	
15	800177	4	Screw, 5/16-18 x 3/4"	
16	831846	4	Nut, Isolation	
17	833440	1	Cap, Overflow Bottle	
18	833512	2	Seal, Radiator Foam	
19	889050	1	Overflow Bottle	
20	893554	1	Screen, Right Side	
21	450453	3	Nut, M8-1.25 Hex Flange	
22	843857	1	Sender, Temperature	
23	452388	2	Screw, M8-1.25 x 20 mm Hex Flange	
24	452395	1	Screw, M8-1.25 x 80 mm Hex Flange	
25	452398	2	Screw, M10-1.5 x 20 mm Hex Flange	
26	4120076	1	Cap, Water Thermostat	
27	4120079	1	Thermostat	
28	4116997	1	Housing, Temperature Sender	
29	2701513	1	Gasket, Thermostat	
30	820889	4	Clamp, Hose	
31	825358	2	Clamp, Hose	
32	36092-G01	1	Hose, 2" x 16" High Temp Air	
33	825624	2	Clamp, 1/4 to 5/8" Worm Drive	
34	2701639	1	Hose, Upper	
35	4115400	1	Hose, Lower Radiator	
36	841230	1	Connector, 1/8 NPT 3/8" Hose	
37	28825-G01	2	Screw, M8-1.25 x 50 mm Flange	
38	009034880	1	Decal, Fan Warning	
39	840754	1	Decal, Radiator Pressure Warning	

> Change from previous revision

21.1 Diesel Engine and Transmission Mounting

Serial No. 84043 All
Serial No. 84044 All

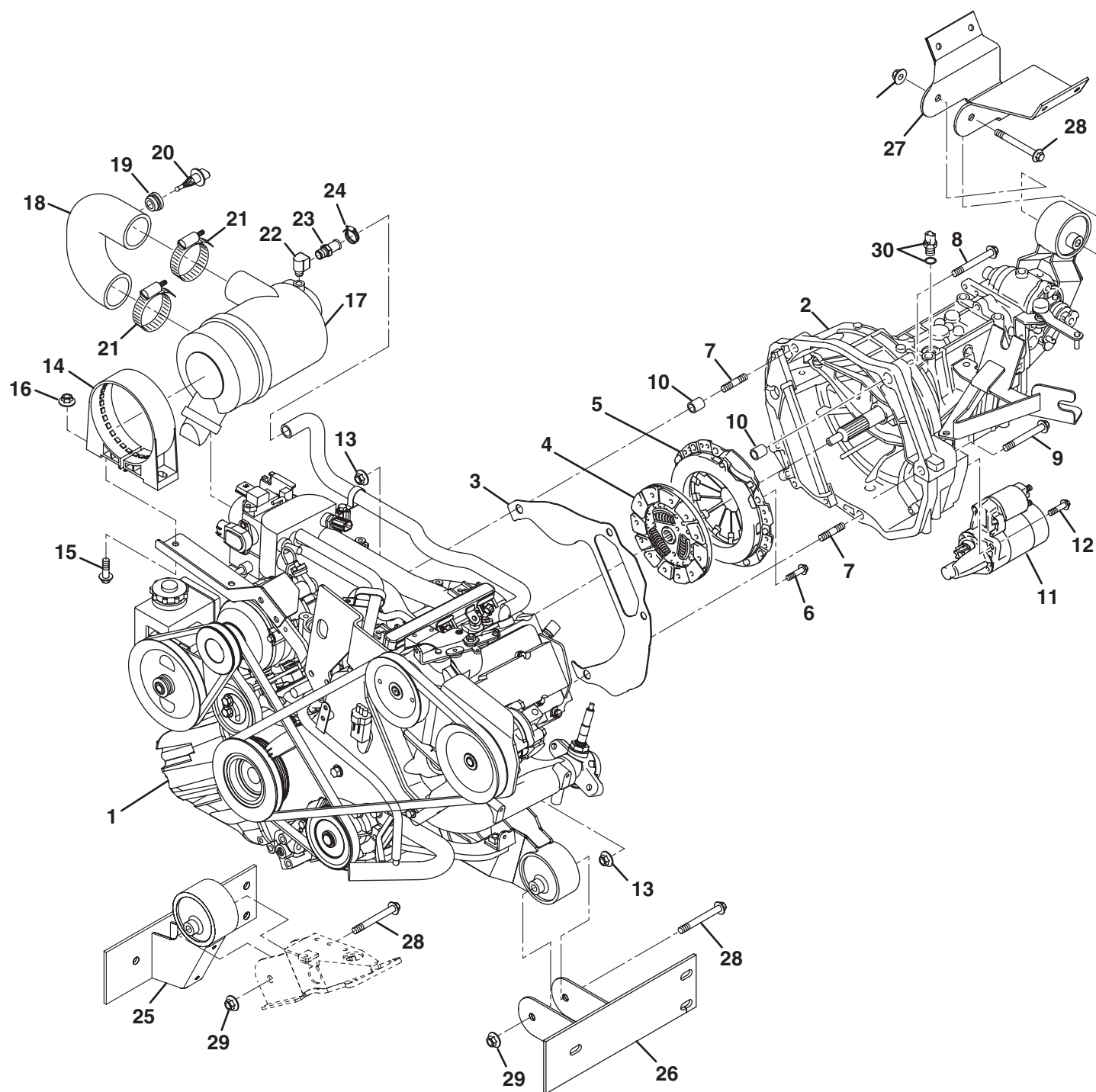


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	REF	1	Engine and Clutch	See 24.1
2	894580	1	Frame, Engine Mount	
3	REF	1	Mount, Engine	See 12.1, Left shown, right similar
4	306836	2	Screw, 3/8-16 x 2-1/4" Hex Head	
5	306981	4	Flat Washer, 3/8	
6	841885	2	Mount, Engine Isolation	
7	809174	2	Washer, Isolator	
8	120177	4	Lockwasher, 3/8	
9	306562	2	Nut, 3/8-16 Hex	
10	452388	4	Screw, M8-1.25 x 20 mm Flange	
11	450453	14	Nut, M8-1.25 Flange	
12	452389	13	Screw, M8-1.25 x 25 mm Flange	
13	600985	1	Hose, Intake	
14	893182	1	Air Filter	
	840352	1	• Element, Air Filter	
15	842915	1	Bracket, Air Filter	
16	601587	1	Bracket, Air Filter Mount	
17	452390	2	Screw, M8-1.25 x 30 mm Flange	
18	450412	2	Lockwasher, M10	
19	800571	1	Nut, M10-1.25 Hex	
20	2703835.8	1	Bracket, Muffler	
21	11391G7	2	Clamp, Hose	
22	2701430	1	Transmission, Suzuki MT5	Includes Clutch Disc and Cover
23	11741-85200	1	• Support, Transmission	
24	01550-08163	4	• Screw	
25	11710-77100	1	• Bracket, Rear Mount	
26	08310-00103	1	• Nut	
27	09103-08132	2	• Bolt, #1 M8 x 100 mm	
28	843323	1	Adapter, Transmission	
29	452401	2	Screw, M10-1.5 x 40 mm Flange	
30	28825-G01	2	Screw, M8-1.25 x 50 mm Flange	
31	306325	2	Lockwasher, 5/16	
32	103867	2	Flat Washer, 5/16	
33	01117-G02	1	Screw, M10-1.25 x 50 mm Flange	
34	01117-G01	1	Screw, M10-1.25 x 35 mm Flange	
35	842961	2	Sleeve, Alignment	
36	844198	1	Cover, Starter Hole	
37	548849	2	Screw, 3/8-16 x 4-3/4" Hex Head	
38	REF	1	Mount, Transmission	See 12.1
39	600989	1	Adapter	
40	843857	1	Temp Sender	

> Change from previous revision

22.1 Gas Engine and MT Mounting

Serial No. 898627 All
Serial No. 84054 All



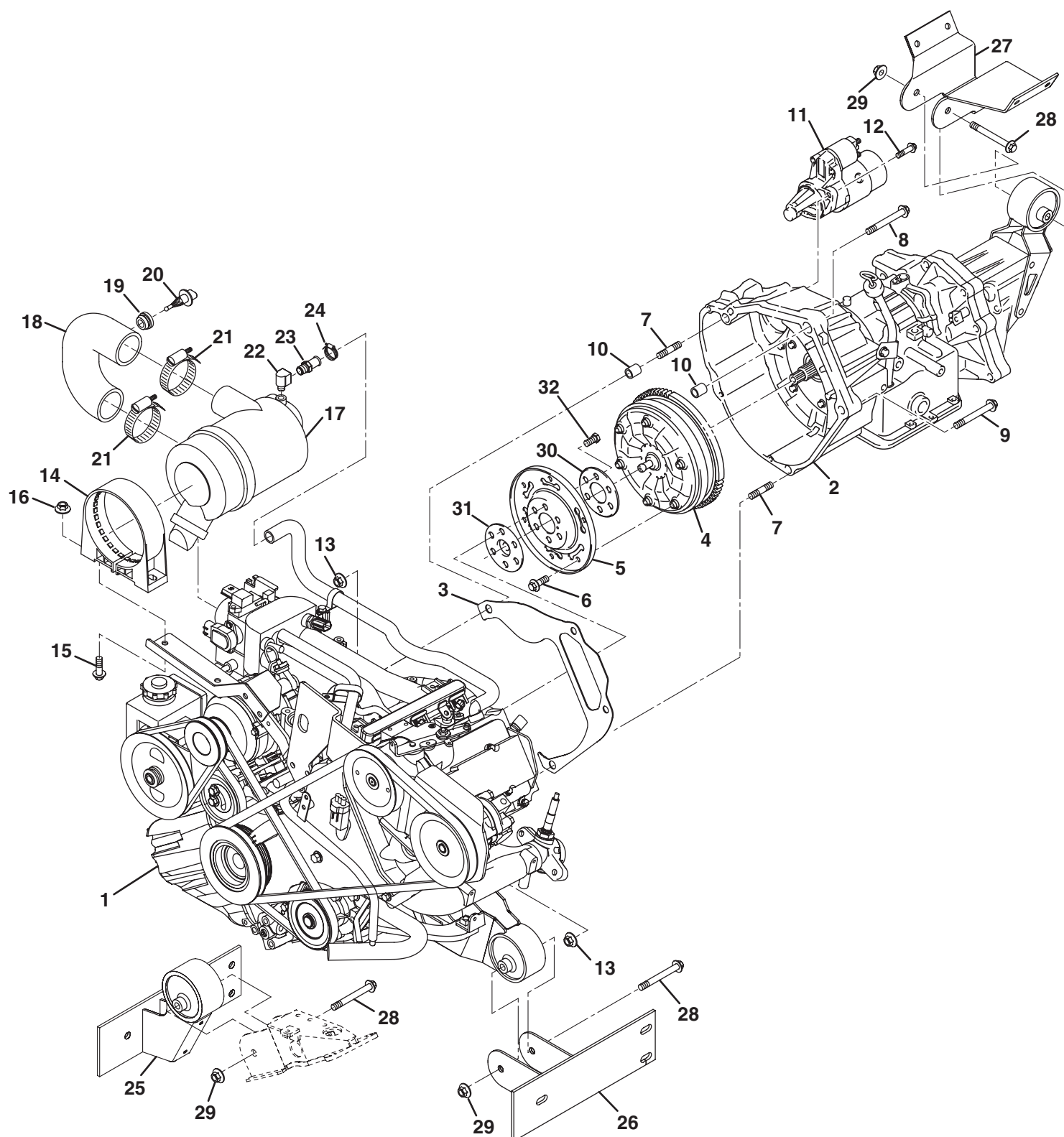
TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	REF	1	Engine Assembly	See 25.1
2	4138963	1	Manual Transmission	See...
3	11311-67H00	1	Plate, Clutch Housing	
4	2702548	1	Clutch Disc	
5	4117900	1	Pressure Plate	
6	2702547	6	Screw, M8-1.25 x 16 mm Lockwasher	
7	2702688	2	Stud, M10-1.25 x 65 mm	
8	2702687	1	Screw, M10-1.25 x 75 mm Flange	
9	2702686	1	Screw, M10-1.25 x 55 mm Flange	
10	2702690	2	Alignment Pins	
11	2702893	1	Starter, Manual Transmission	
12	2702470	2	Screw, M8-1.25 x 30 mm Hex Flange	
13	2702689	2	Nut, M10-1.25 Hex Flange	
14	842915	1	Bracket, Air Filter	
15	452389	2	Screw, M8-1.25 x 25 mm Hex Flange	
16	450453	2	Nut, M8-1.25 Hex Flange	
17	4118027	1	Air Filter	
	840352	1	• Element, Air Filter	
18	36116G01	1	Hose, Engine Air Intake	
19	4140617	1	• Grommet	
20	4140618	1	• Sensor, Air Temp	
21	825358	2	Clamp, 2-3/4" Worm Drive	
22	4118423	1	Elbow, 1/4 NPT Street	
23	4118422	1	Hose Fitting, 1/4 NPT Brass	
24	832033	1	Clamp, 5/8" to 1" Worm Drive	
25	REF	1	Left Engine Mount	See 12.1
26	REF	1	Right Engine Mount	See 12.1
27	REF	1	Transmission Mount	See 12.1
28	452405	3	Screw, M10--1.5 x 80 mm Flange	
29	450454	3	Nut, M10-1.5 Hex Flange	

> Change from previous revision

23.1 Gas Engine and AT Mounting

Serial No. 898628 All

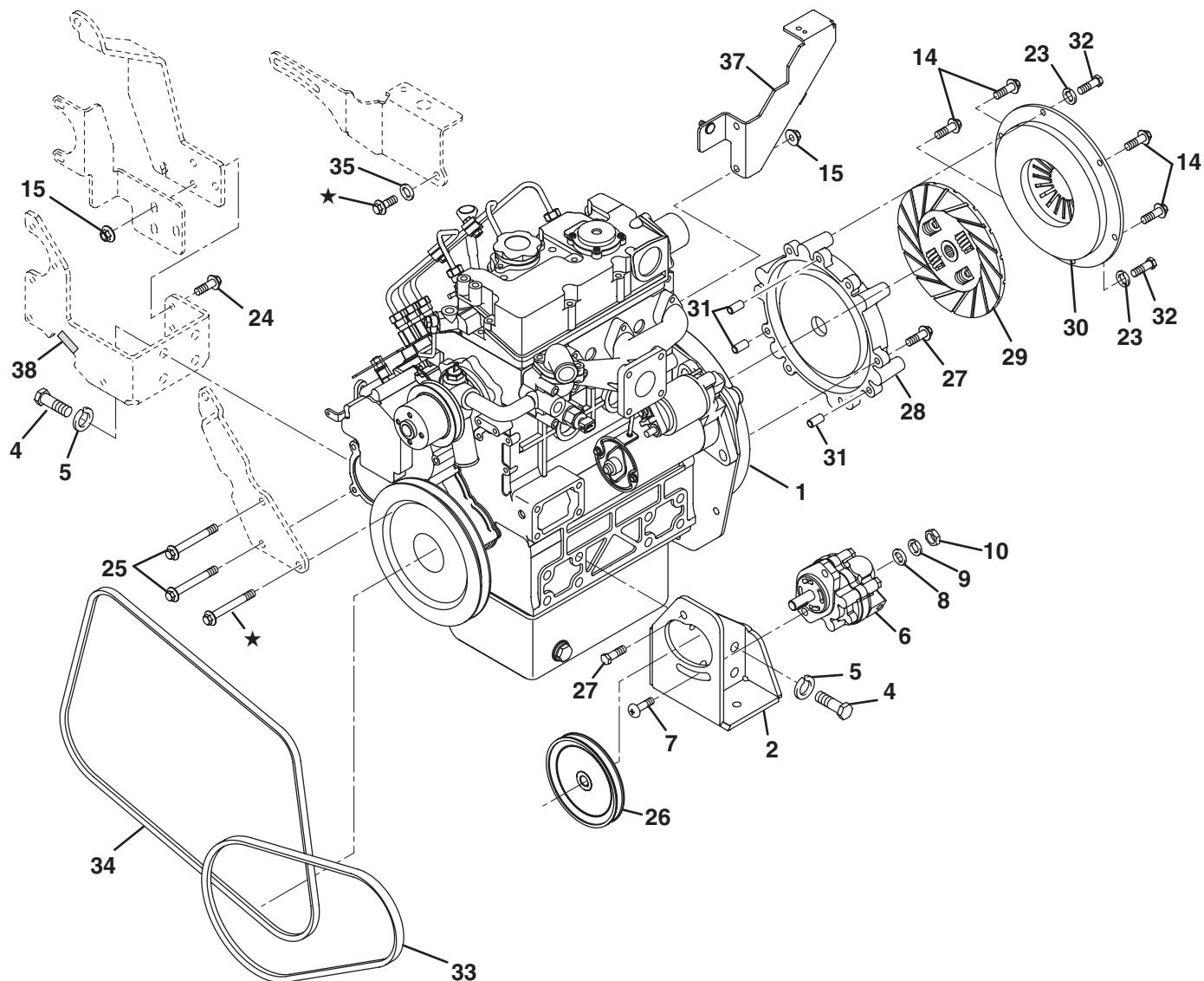
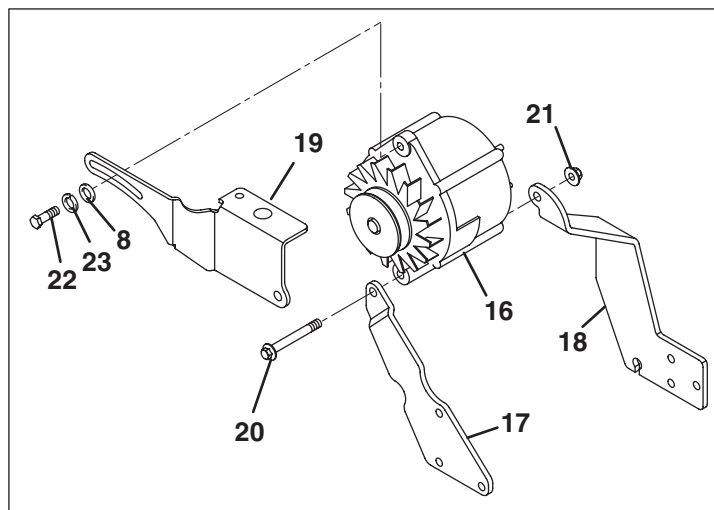
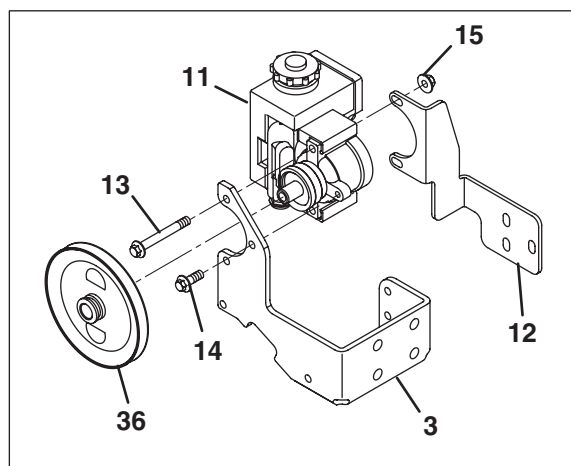


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	REF	1	Engine Assembly	See 25.1
2	4138668	1	Automatic Transmission	See...
3	11311-67H20	1	Plate, Transmission Housing	
4	2702701	1	Torque Converter	
5	4120097	1	Plate, Drive	
6	2702702	6	Screw, M8-1.25 x 9.5 mm Flange	
7	2702688	2	Stud, M10-1.25 x 65 mm	
8	2702686	1	Screw, M10-1.25 x 55 mm Flange	
9	2702756	1	Screw, M10-1.25 x 50 mm Flange	
10	2702690	2	Alignment Pins	
11	2702906	1	Starter, Automatic Transmission	
12	2702470	2	Screw, M8-1.25 x 30 mm Hex Flange	
13	2702689	2	Nut, M10-1.25 Hex Flange	
14	842915	1	Bracket, Air Filter	
15	452389	2	Screw, M8-1.25 x 25 mm Hex Flange	
16	450453	2	Nut, M8-1.25 Hex Flange	
17	4118027	1	Air Filter	
	840352	1	• Element, Air Filter	
18	36116G01	1	Hose, Engine Air Intake	
19	4140617	1	• Grommet	
20	4140618	1	• Sensor, Air Temp	
21	825358	2	Clamp, 2-3/4" Worm Drive	
22	4118423	1	Elbow, 1/4 NPT Street	
23	4118422	1	Hose Fitting, 1/4 NPT Brass	
24	832033	1	Clamp, 5/8" to 1" Worm Drive	
25	REF	1	Left Engine Mount	See 12.1
26	REF	1	Right Engine Mount	See 12.1
27	REF	1	Transmission Mount	See 12.1
28	452405	3	Screw, M10--1.5 x 80 mm Flange	
29	450454	3	Nut, M10-1.5 Hex Flange	
30	4120098	1	Plate, Rear Drive	
31	4120096	1	Flange, Drive Plate	
32	4119955	6	Screw, M10-1.25 x 18.5 mm	

> Change from previous revision

24.1 Diesel Engine and Clutch

Serial No. 84043 All
Serial No. 84044 All



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	N/S	1	Engine, Perkins Model 403C-11	Spec HH70581U
	842553	1	• Engine Oil Filter	
	185086321	1	• Starter	Order directly from Perkins
2	843760	1	Bracket, Hydraulic Pump	
3	844272	1	Mount, Right Side Engine	
4	838440	8	Screw, M12-1.25 x 25 mm Flange	
5	120166	8	Lockwasher, 1/2	
6	REF	1	Pump, Hydraulic	See 35.1
7	800073	1	Carriage Bolt, 3/8-16 x 1-1/4"	
8	306981	2	Flat Washer, 3/8	
9	120177	2	Lockwasher, 3/8	
10	306562	2	Nut, 3/8-16 Hex	
11	REF	1	Pump, Power Steering	See 18.1
12	844268	1	Bracket, Rear Power Steering Mount	
13	452395	2	Screw, M8-1.25 x 80 mm Flange	
14	452388	5	Screw, M8-1.25 x 20 mm Flange	
15	450453	7	Nut, M8-1.25 Flange	
16	893633	1	Alternator	
17	844270	1	Bracket, Front Alternator Mount	
18	844271	1	Bracket, Rear Alternator Mount	
19	600981	1	Bracket, Alternator Adjusting	
20	311213	1	Screw, 3/8-16 x 3" Flange	
21	548804	1	Nut, 3/8-16 Flange	
22	306416	1	Screw, 5/16-18 x 1" Hex Head	
23	306325	3	Lockwasher, 5/16	
24	452390	3	Screw, M8-1.25 x 30 mm Flange	
25	452394	2	Screw, M8-1.25 x 70 mm Flange	
26	842996	1	Pulley, 4"	
27	306835	1	Screw, 3/8-16 x 1-1/4" Hex Head	
28	894645	1	Ring, Pressure Plate	
29	22400-85141	1	Disc, Clutch	Included with Transmission
30	22100-85200	1	Cover, Clutch	Included with Transmission
31	839752	3	Dowel Pin, 8 x 18 mm	
32	09111-08035	2	Screw, M8-1.25 Special	Included with Transmission
33	841966	1	Belt, Hydraulic Pump	
34	600997	1	Belt, Alternator - Power Steering	48"
35	103867	1	Flat Washer, 3/8	
36	600993	1	Pulley, 5.8" Power Steering	
37	REF	1	Throttle Bracket	
38	821893	AR	Trim, Push On	
★	Indicates hardware included with Engine.			

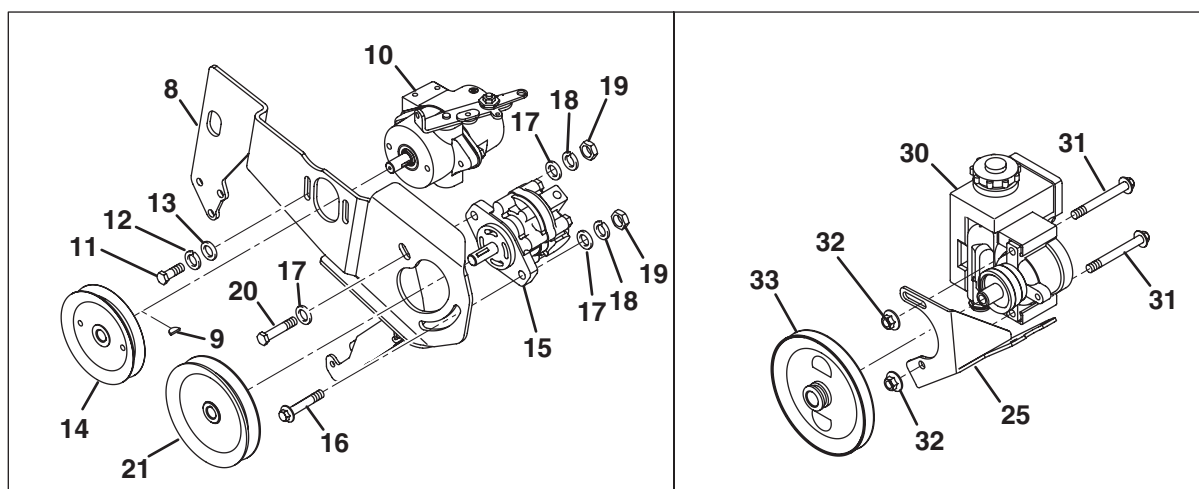
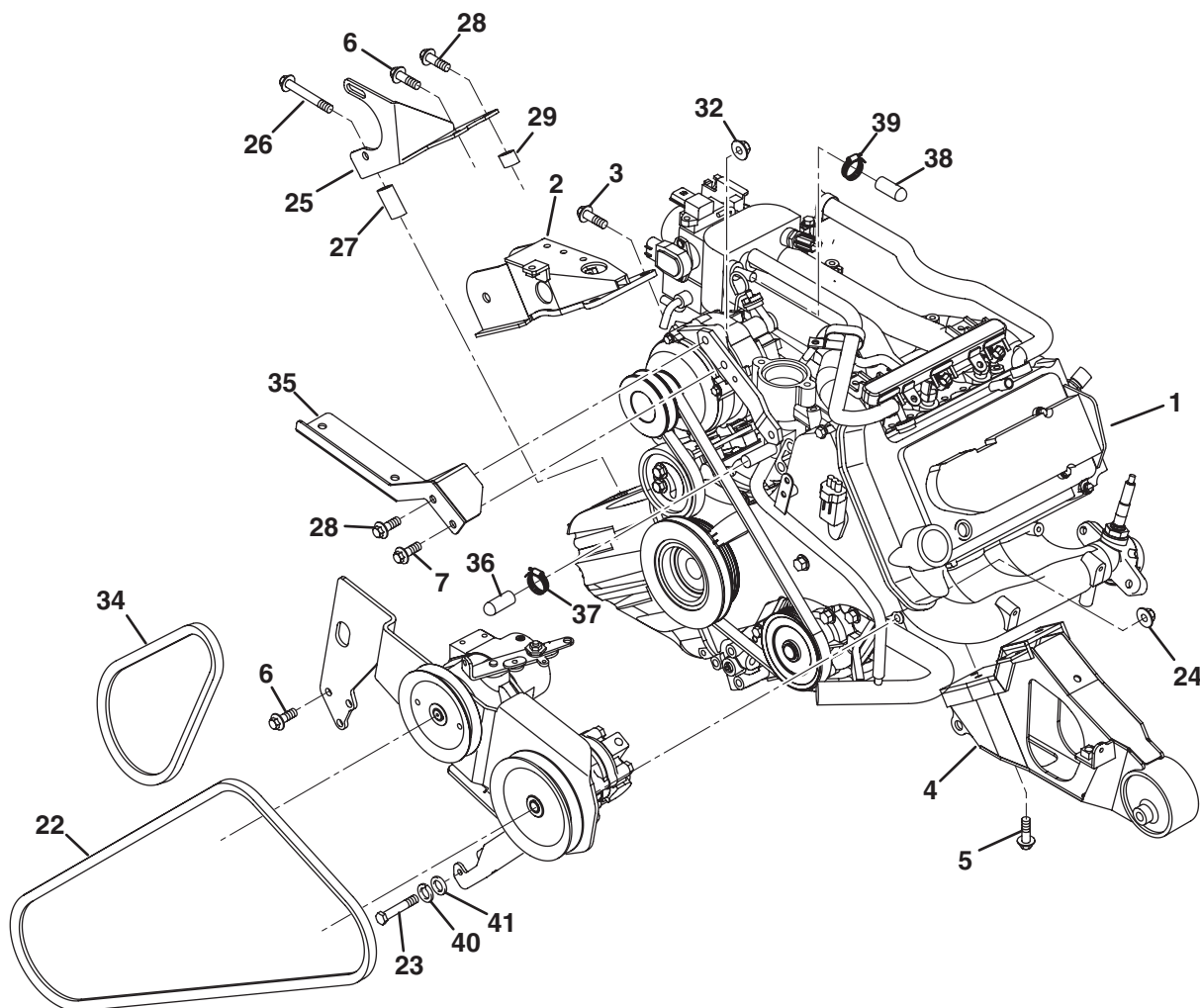
> Change from previous revision

25.1 Suzuki Gas Engine

Serial No. 898627 All

Serial No. 898628 All

Serial No. 84054 All

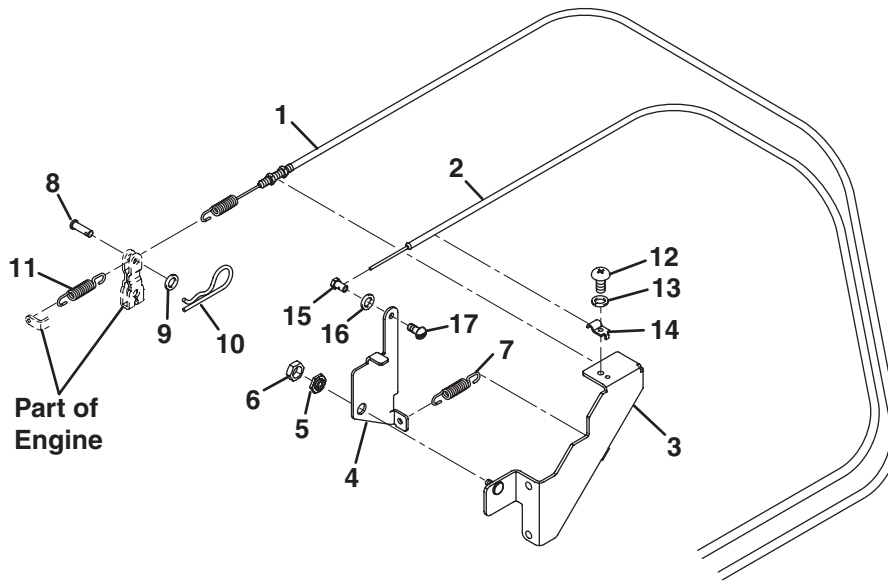


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	N/S	1	Suzuki K6 Engine	See ... through ... for Service
	2701908	1	• Oil Filter	
	4120026	1	• Belt, Water Pump and Alternator	
2	4120017	1	• Right Side Engine Mount	
3	01550-10253	3	• Bolt, Right Side Engine Mount	
4	11710-65H01	1	• Left Side Engine Mount	
5	2701827	4	• Bolt, Left Side Engine Mount	
6	2702469	4	• Bolt	
7	4119603	1	• Bolt, M8 x 25 mm Hex Flange	
8	601599	1	Bracket, Governor	
9	2702249	1	Key, Woodruff 1/8 x 1/2"	
10	4115000	1	Governor	
11	306450	2	Screw, 5/16-18 x 3/4" Hex Head	
12	306325	2	Lockwasher, 5/16	
13	103867	2	Flat Washer, 5/16	
14	842996	1	Pulley, 4-1/4" Diameter	
15	REF	1	Pump, Hydraulic	
16	13437G5	1	Screw, 3/8-16 x 1-1/2" Whizlock	
17	306981	3	Flat Washer, 3/8	
18	120177	2	Lockwasher, 3/8	
19	306562	2	Nut, 3/8-16 Hex	
20	302600	1	Screw, 3/8-16 x 1-1/2" Hex Head	Includes two set screws See 35.1
21	600994	1	Pulley, 4-3/4" Diameter	
22	4115406	1	Belt, 7/16 x 54-1/4" V	
23	450179	1	Bolt, M6-1 x 60 mm Hex Head	
24	450452	1	Nut, M6-1 Hex Flange	
25	4115183.7	1	Bracket, Power Steering Pump	
26	452381	1	Screw, M6-1 x 40 mm Hex Flange	
27	4117464	1	Spacer, 7/16 x 1-3/32"	
28	452389	2	Screw, M8-1.25 x 25 mm Hex Flange	
29	4117459	1	Spacer, 7/16 x 11/32"	
30	REF	1	Pump, Power Steering	See 18.1
31	452395	2	Screw, M8-1.25 x 80 mm Hex Flange	
32	450453	3	Nut, M8-1.25 Hex Flange	
33	600993	1	Pulley, 5.80" Diameter	
34	4115404	1	Belt, 7/16 x 25" V	
35	4115792.7	1	Bracket, Air Cleaner	
36	833715	1	Plug, Tube	
37	832033	1	Clamp, 5/8" to 1" Worm Drive	
38	845224	4	Plug, Tube	
39	825624	4	Clamp, 1/4" to 5/8" Worm Drive	
40	306396	1	Lockwasher, 1/4	Alternator and Power Steering
41	308090	1	Flat Washer, 1/4	

> Change from previous revision

26.1 Engine Speed Control

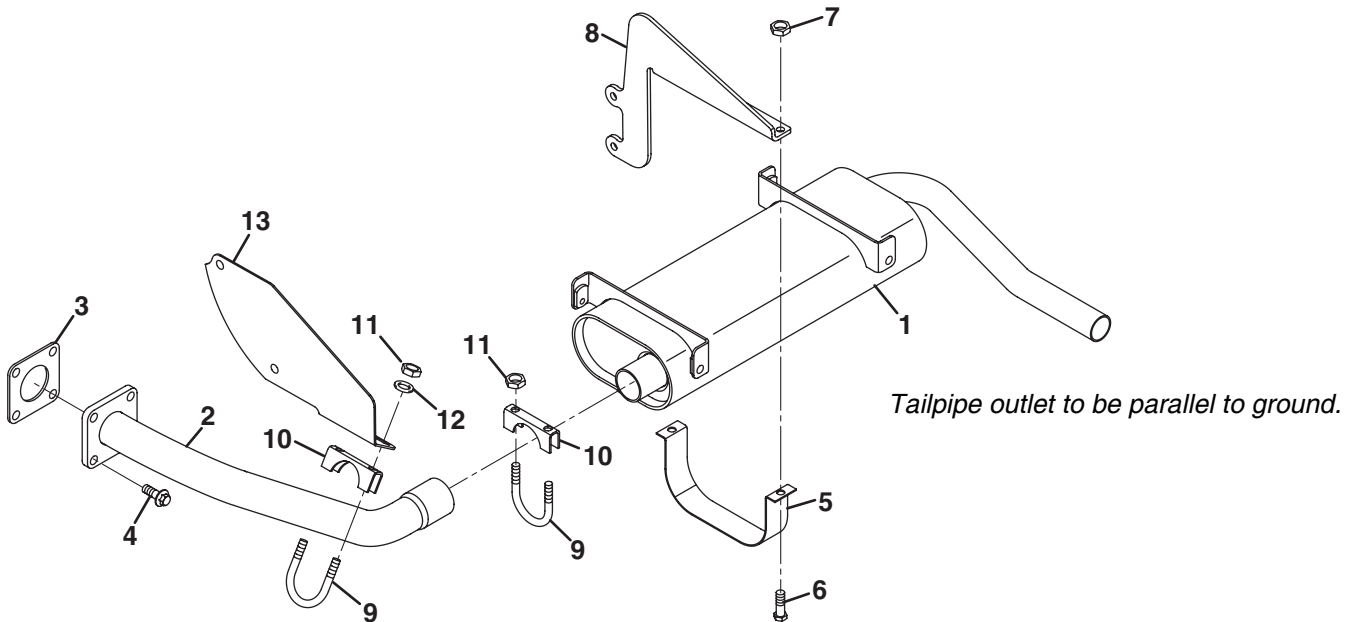
Serial No. 84043 All
Serial No. 84044 All



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	2703683	1	Throttle Cable	See 4.1 for other end of cable
2	844130	1	Cable, Governor Control	See 4.1 for other end of cable
3	894591	1	Bracket, Throttle	See 24.1 for Mounting Location
4	844274	1	Lever, Governor	
5	835271	1	Nut, 1/4-20 Lever Pivot	
6	130728	1	Nut, 1/4-20 Hex Jam	
7	840473	1	Spring, Governor Lever	
8	812444	1	Clevis Pin, 5/16 x 3/4"	
9	103867	1	Flat Washer, 5/16	
10	821164	1	Hair Pin	
11	842785	1	Spring, Idle Return	
12	800271	1	Screw, #10-24 x 1/2" Pan Head	
13	120052	1	Lockwasher, #10	
14	111898	1	Clamp, Cable	
15	831888	1	Swivel	
16	831889	1	Washer, Swivel	
17	831890	1	Screw, Swivel Throttle Cable	

> Change from previous revision

27.1 Exhaust



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4119866.8	1	Muffler	Order directly from Perkins
2	2703800.8	1	Tube, Exhaust Inlet	
3	314990013	1	Gasket, Exhaust	
4	452389	4	Screw, M8-1.25 x 25 mm Flange	
5	838295.8	1	Strap, Muffler Hanger	See 21.1
6	450193	2	Screw, M8-1.25 x 30 mm Hex Head	
7	450378	2	Locknut, M8-1.25	
8	REF	1	Bracket, Muffler	
	841982	2	Clamp, 1-1/2" Exhaust	See 21.1
9	N/S	1	• U-Bolt	
10	N/S	1	• Bracket	
11	N/S	2	• Nut, 5/16-18 Hex	
12	103867	2	Flat Washer, 5/16	
13	REF	1	Cover, Starter Hole	

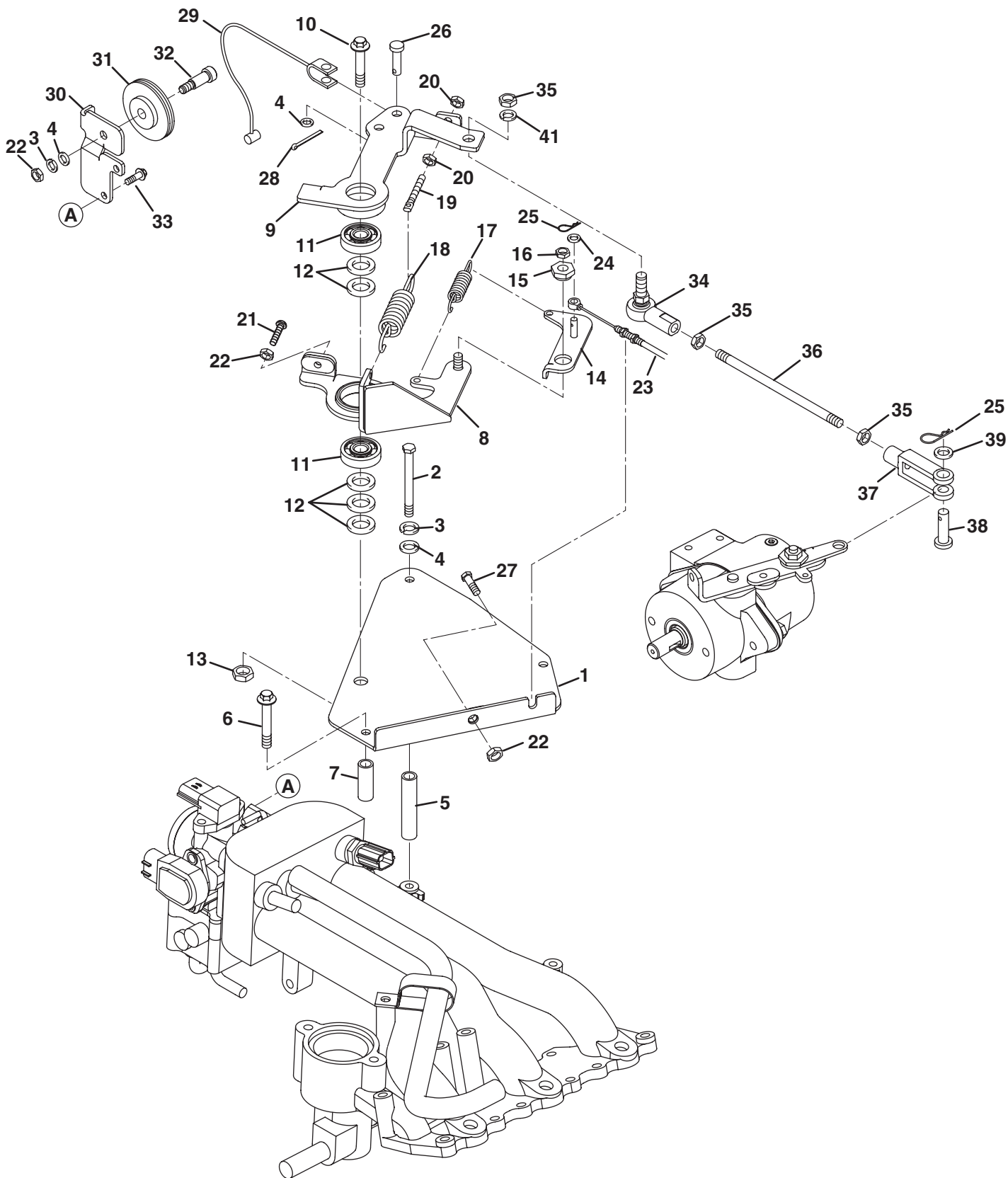
> Change from previous revision

28.1 Governor Linkage

Serial No. 898627 All

Serial No. 898628 All

Serial No. 84054 All



TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes	
1	4115258	1	Plate, Governor		
2	450010	2	Screw, M6-1 x 75 mm Hex Head		
3	306396	2	Lockwasher, 1/4		
4	308090	4	Flat Washer, 1/4		
5	4119526	2	Spacer, 7/16 x 2-1/8"		
6	452381	1	Screw, M6-1 x 40 mm Hex Flange		
7	2700522	1	Spacer, 7/16 x 1"		
8	2700540	1	Lever, Governor		
9	2700859	1	Lever, Governor Arm		
10	01116-G01	1	Screw, M10-1.5 x 40 mm Hex Flange		
11	830140	2	Ball Bearing		
12	306981	5	Flat Washer, 3/8		
13	450454	1	Nut, M10-1.5 Hex Flange		
14	2701129	1	Arm, Throttle		
15	835271	1	Nut, Governor		
16	130728	3	Nut, 1/4-20 Hex Jam		
17	2700335	1	Spring, Governor		
18	2700334	1	Spring, Governor		
19	111893	1	Screw, #10-32 Special		
20	2702244	2	Nut, #10-32 Hex		
21	800024	1	Screw, 1/4-20 x 1-1/2" Truss Head		
22	306375	3	Nut, 1/4-20 Hex		
23	2703684	1	Throttle Cable		See 4.1
24	450399	1	Flat Washer, M6		
25	821164	2	Hair Pin, 1/4 x 1-1/8"		
26	818395	1	Clevis Pin, 1/4 x 1/2"		
27	302288	1	Screw, 1/4-20 x 1"		
28	306372	1	Cotter Pin, 3/32 x 1/2"		
29	4116159	1	Cable, Throttle		
30	2701510	1	Bracket, Throttle Cable		
31	843013	1	Pulley, Governor		
32	800927	1	Shoulder Bolt, 1/4-20 x 5/8"		
33	REF	2	Bolt		Part of Engine
34	831586	1	Ball Joint		
35	306320	3	Nut, 5/16-24 Hex		
36	4117352	1	Rod, Governor		
37	810722	1	Yoke		
38	806703	1	Clevis Pin, 5/16 x 31/32"		
39	103867	1	Flat Washer, 5/16		
40	306325	1	Lockwasher, 5/16 Special		

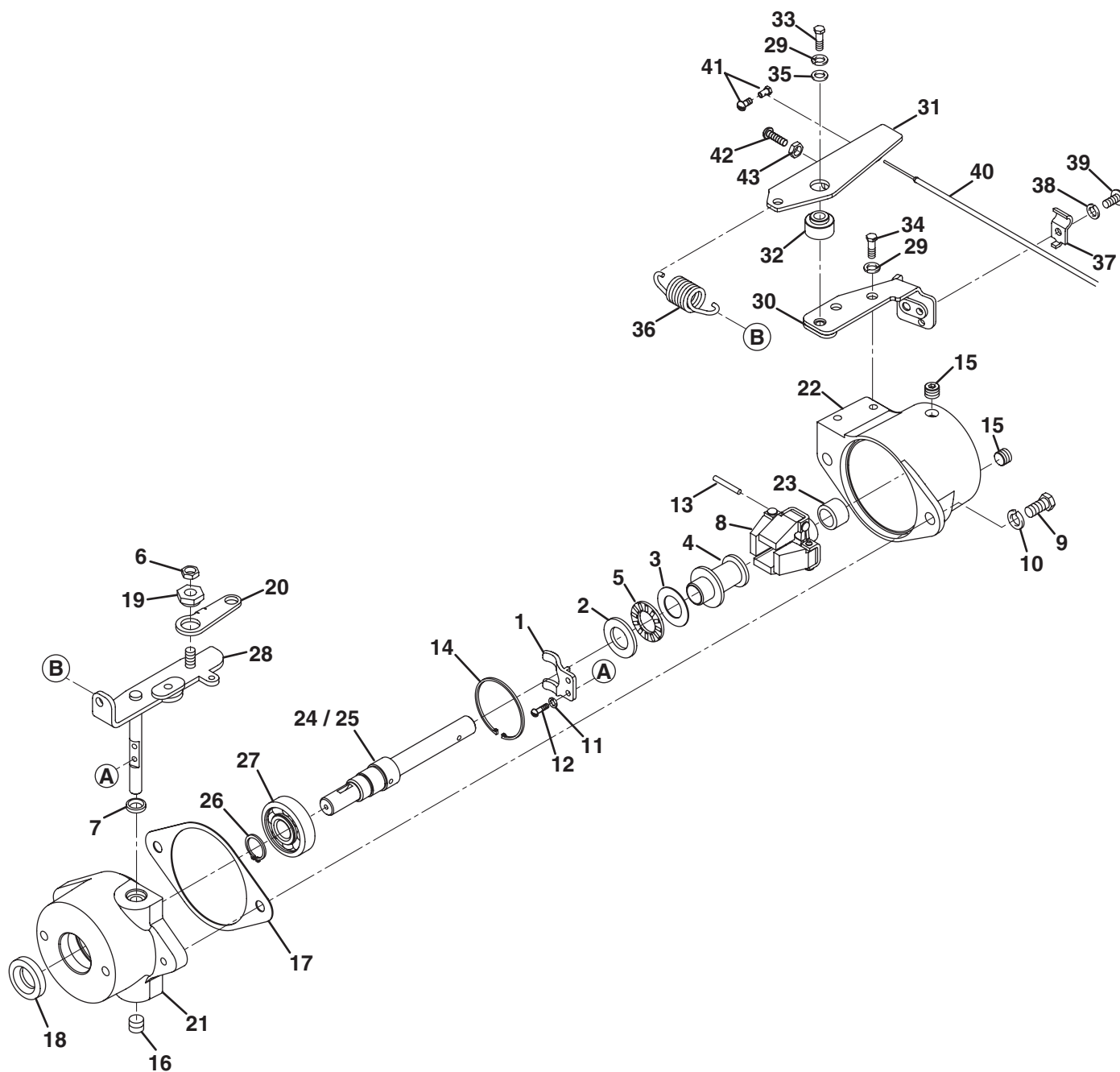
> *Change from previous revision*

29.1 Governor

Serial No. 898627 All

Serial No. 898628 All

Serial No. 84054 All



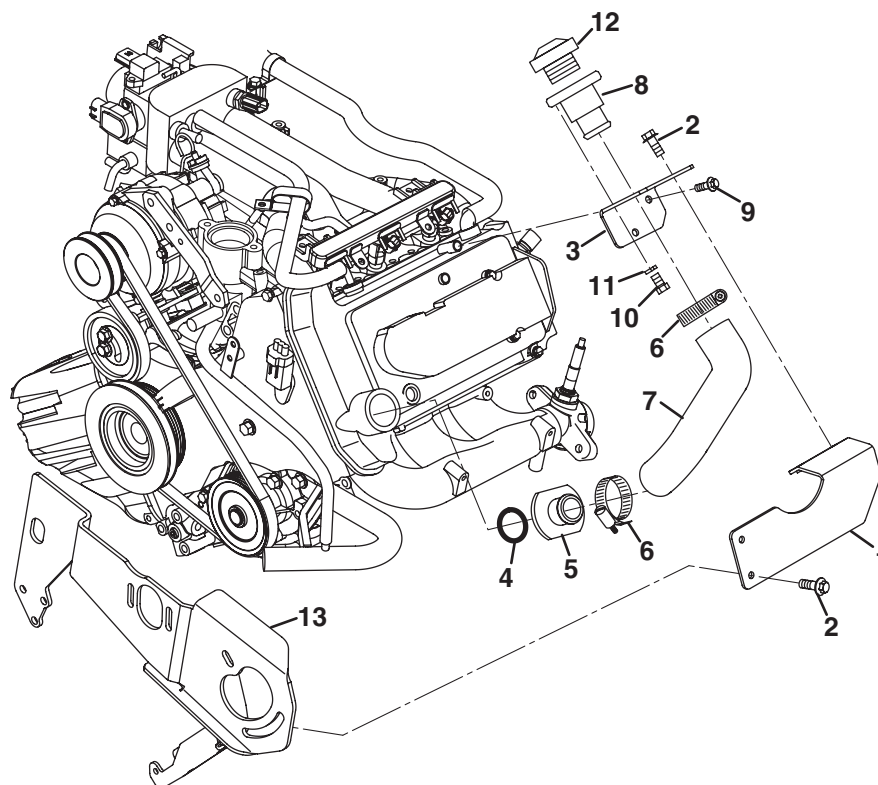
TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
	4115000	1	Governor	See 4.1
1	111812	1	• Yoke, Spool	
2	111814	1	• Washer, Thrust	
3	111816	1	• Washer, Thrust	
4	111817	1	• Spool, Governor	
5	112840	1	• Bearing, Thrust	
6	130728	1	• Nut, 1/4-20 Hex Jam	
7	111813	1	• Seal, Shaft	
8	160410	1	• Carrier & Weights	
9	302288	2	• Screw, 1/4-20 x 1" Hex Head	
10	306396	2	• Lockwasher, 1/4	
11	306506	2	• Lockwasher, #6	
12	306915	2	• Screw, #6-32 x 5/16" Machine	
13	603102	1	• Roll Pin, 1/8 x 3/4"	
14	548325	1	• Ring, Retaining	
15	800227	2	• Plug, 1/8 NPT	
16	800558	1	• Set Screw, 3/8-16 x 5/16"	
17	833056	1	• Gasket, Governor	
18	833102	1	• Seal, Oil	
19	835271	1	• Nut, Governor Arm	
20	843537	1	• Bracket, Governor Knee	
21	4114867	1	• Head, Governor	
22	894471	1	• Reservoir, Governor	
23	833103	1	• • Bearing, Needle	
24	4119678	1	• Shaft, Governor Complete	
25	4117681	1	• • Shaft, Governor	
26	833104	1	• • Ring, Retaining	
27	833345	1	• • Bearing, Ball	
28	2700525	1	• Lever, Governor Control	
29	306396	2	Lockwasher, 1/4	
30	894435	1	Bracket, Throttle	
31	894434	1	Arm	
32	843866	1	Bushing, Governor	
33	302288	1	Screw, 1/4-20 x 1" Hex Head	
34	00414-G5	2	Screw, Hex Head	
35	308090	1	Flat Washer, 1/4	
36	833101	1	Spring, Extension	
37	111898	2	Clamp, Cable	
38	120052	1	Lockwasher, #6	
39	306514	1	Screw, #10-32 x 1/2" Truss	
40	844130	1	Governor Cable	
41	817104	1	Stop, Wire	
42	800024	1	Screw, 1/4-20 x 1-1/2"	
43	306375	1	Nut, 1/4-20 Hex	

> Change from previous revision

30.1 Gas Engine Remote Oil Fill

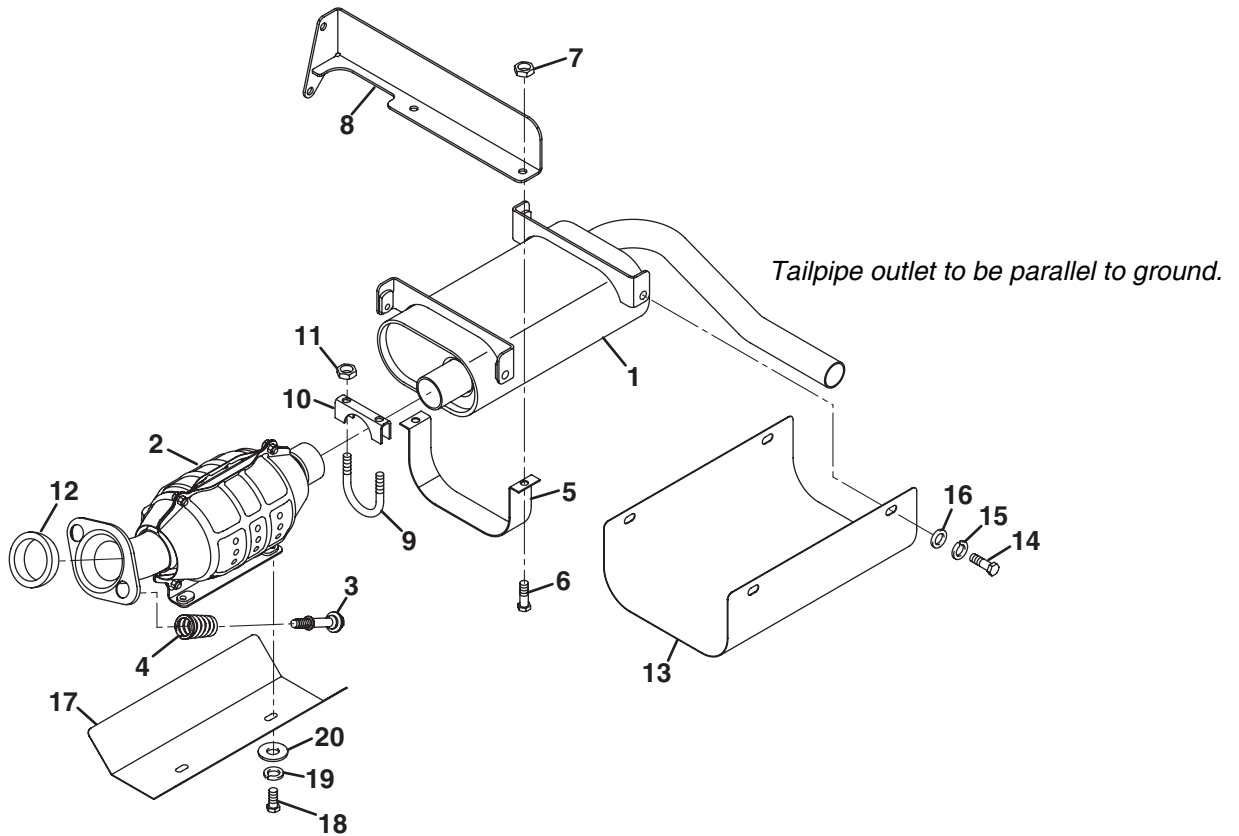
Serial No. 898627 All
Serial No. 898628 All
Serial No. 84054 All



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	601942	1	Brace, Governor	Included with Engine See 25.1
2	548827	4	Screw, 1/4-20 x 1/2 Hex Flange	
3	601580	1	Bracket, Remote Oil Fill	
4	843420	1	O-Ring	
5	843399	1	Adapter, Valve Cover	
6	836206	2	Clamp, 1-7/8" Worm Drive	
7	2701636	1	Hose, Remote Oil Fill	
8	2701640	1	Adapter, Oil Cap	
9	800934	3	Screw, M6-1 x 16 mm Hex Flange	
10	800425	2	Screw, M6-1 x 12 mm Hex Head	
11	306396	2	Lockwasher, 1/4	
12	16920-83G00	1	Cap, Oil Fill	
13	REF	1	Bracket, Governor	

> Change from previous revision

31.1 Gas Engine Exhaust

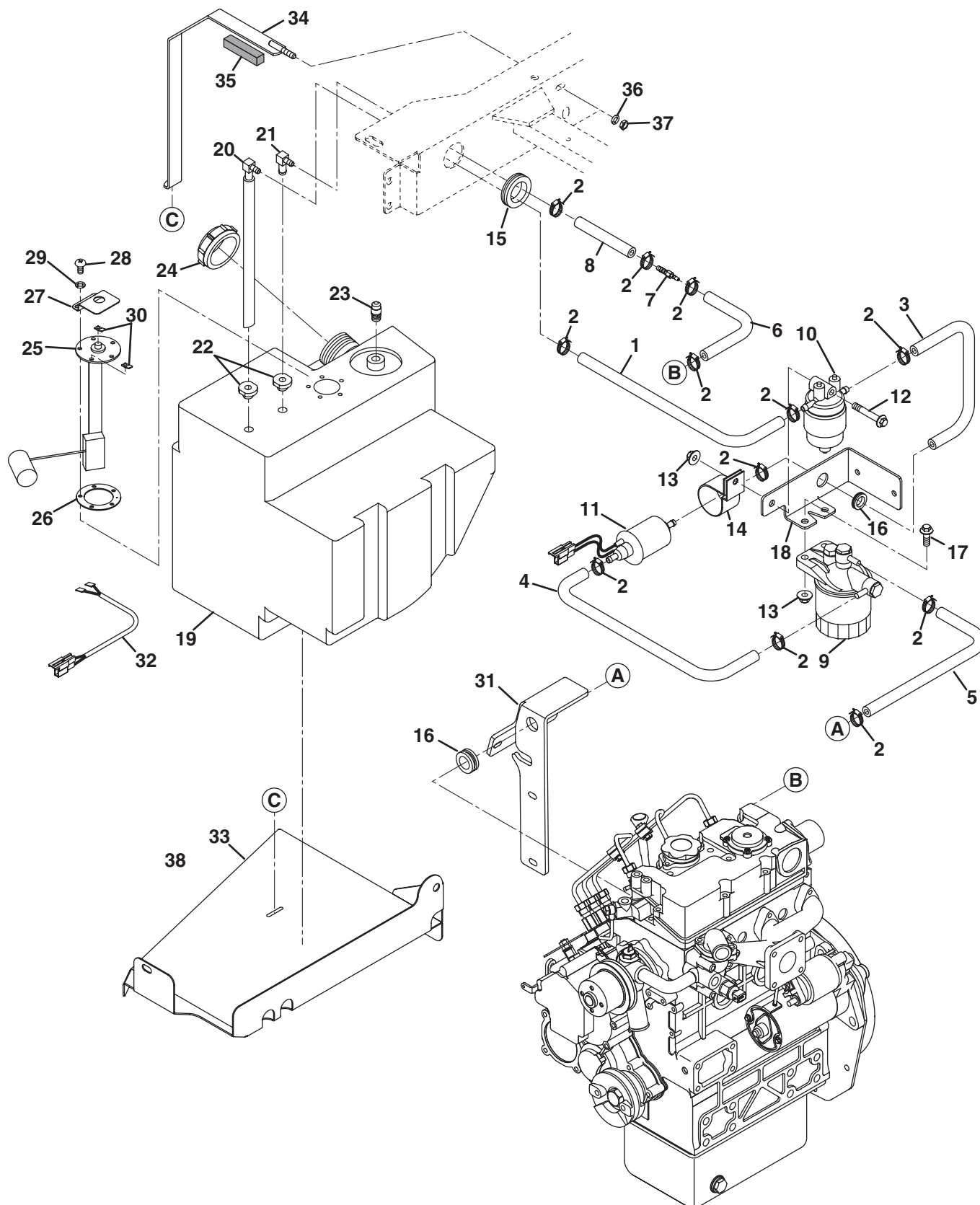


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4116284.8	1	Muffler	Attaches to Transmission Case
2	36072-G01	1	Catalytic Converter	
3	2700144	2	Bolt, Muffler Flange	
4	2700145	2	Spring, Muffler Flange	
5	838295.8	1	Strap, Muffler Hanger	
6	450193	2	Screw, M8-1.25 x 30 mm Hex Head	
7	450378	2	Locknut, M8-1.25	
8	4114221.8	1	Bracket, Muffler	
	841982	2	Clamp, 1-1/2" Exhaust	
9	N/S	1	• U-Bolt	
10	N/S	1	• Bracket	
11	N/S	2	• Nut, 5/16-18 Hex	
12	2700143	1	Ring, Muffler Flange	
13	4121517.8	1	Shield, Muffler	
14	306450	4	Screw, 5/16-18 x 3/4" Hex Head	
15	306325	4	Lockwasher, 5/16	
16	103867	4	Flat Washer, 5/16	
17	4121525.8	1	Shield, Catalytic Converter	
18	306419	2	Screw, 1/4-20 x 1/2" Hex Head	
19	306396	2	Lockwasher, 1/4	
20	815680	2	Washer, Special	

> Change from previous revision

32.1 Diesel Fuel System

Serial No. 84043 All
Serial No. 84044 All



TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	826590	1	Hose, Fuel Tank to Trap 5/16"	25 Foot Roll, Cut to 13-1/2"
2	825624	12	Clamp, Hose	
3	826590	1	Hose, Pre Filter to Pump 5/16"	25 Foot Roll, Cut to 9-1/2"
4	826590	1	Hose, Pump to Fuel Filter 5/16"	25 Foot Roll, Cut to 14"
5	826590	1	Hose, Fuel Filter to Engine 5/16"	25 Foot Roll, Cut to 21"
6	831039	1	Hose, Engine Fuel Return 3/16"	25 Foot Roll, Cut to 7"
7	834036	1	Connector, 1/4" Hose to 3/16" Hose	
8	830425	1	Hose, Fuel Return 1/4"	25 Foot Roll, Cut to 15-1/2"
	REF	1	Engine	
9	2208175	1	• Fuel Filter	
10	130306380	1	• Trap, Fuel Water	Order Directly from Perkins
11	894638	1	Pump, Electric Fuel	
12	452393	1	Screw, M8-1.25 x 60 mm Flange	
13	450453	3	Nut, M8-1.25 Flange	
14	838154	1	Bracket, Fuel Pump Mounting	
15	829997	1	Grommet	
16	809231	2	Grommet, Split	
17	452390	2	Screw, M8-1.25 x 30 mm Flange	
18	REF	1	Bracket, Fuel System	See 13.1
19	841969	1	Fuel Tank	
20	843726	1	• Tube, Fuel Pick Up	
21	148231	1	• Elbow, 90° Fuel	
22	48310	2	• Grommet, Fuel Tank	
23	836852	1	• Breather	
24	843343	1	Cap, Unvented Fuel	
25	843298	1	Sender, Fuel Level	
26	829954	1	Gasket, Fuel Tank	
27	833953	1	Cover, Fuel Sender	
28	800021	5	Screw, #10-32 x 1/2" Pan Head	
29	120052	5	Lockwasher, #10	
30	829787	2	Terminal, 1/4" Male	
31	REF	1	Bracket, Air Filter Mount	See 21.1
32	894201	1	Harness, Fuel Sender	
33	REF	1	Support, Tank	See 12.1
34	893555	1	Strap, Tank	
35	834005	1	Seal, Foam	
36	103867	1	Flat Washer, 5/16	
37	800221	1	Locknut, 5/16-18 Center	

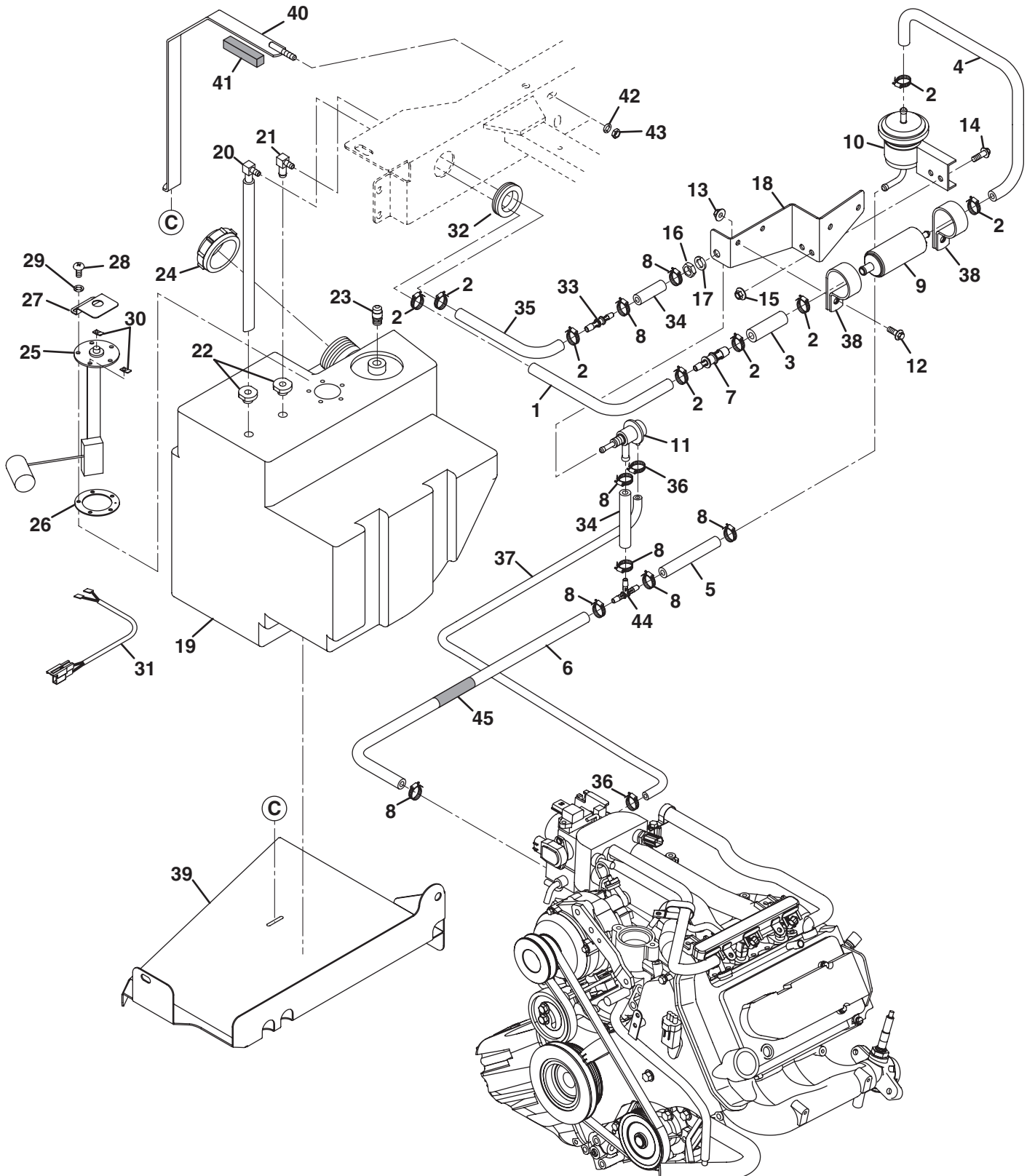
> Change from previous revision

33.1 Gas Fuel System

Serial No. 898627 All

Serial No. 898628 All

Serial No. 84054 All



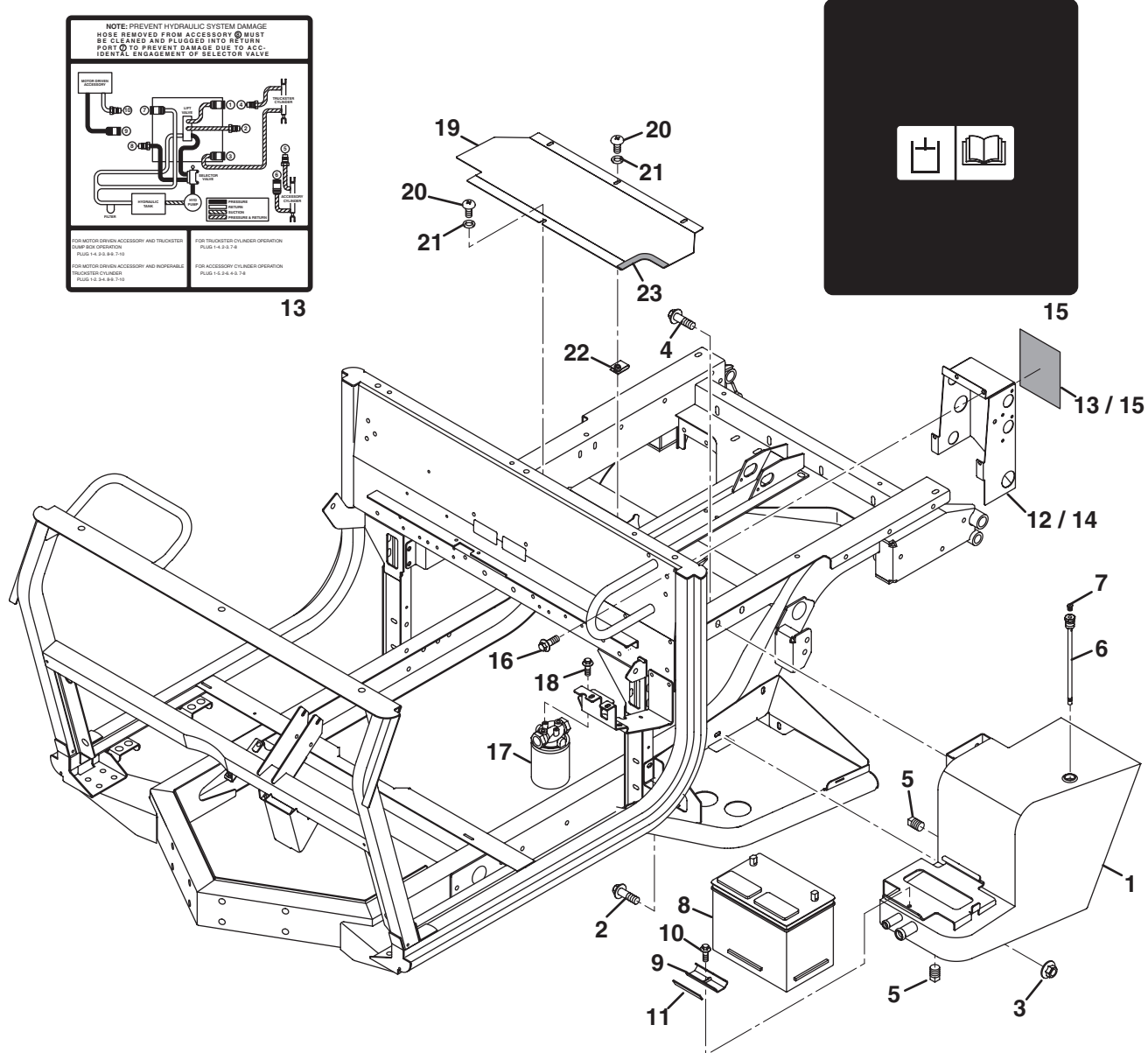
TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	826590	1	Hose, Fuel Tank to Adapter 5/16"	25 Foot Roll, Cut to 14"
2	11391G4	8	Clamp, Hose	
3	7332	1	Hose, Adapter to Pump 7/16"	
4	826590	1	Hose, Pump to Fuel Filter 5/16"	
5	830425	1	Hose, Fuel Filter to Tee 1/4"	
6	830425	1	Hose, Tee to Engine 1/4"	
7	4113019	1	Adapter, 5/16 to 7/16" Hose	25 Foot Roll, Cut to 9"
8	18292G1	8	Clamp, Hose	
9	2701897	1	Pump, Electric Fuel	
10	2701898	1	Fuel Filter	
11	2701899	1	Regulator, Fuel	
12	452378	2	Screw, M6-1 x 20 mm Hex Flange	
13	450452	2	Nut, M6-1 Hex Flange	25 Foot Roll, Cut to 4-1/4"
14	800930	2	Screw, M8-1.25 x 16 mm Hex Flange	
15	450453	2	Nut, M8-1.25 Hex Flange	
16	800875	1	Nut, M12-1.25 Hex	
17	309067	1	Lockwasher, 1/2" External Tooth	
18	REF	1	Bracket, Fuel System	
19	841969	1	Fuel Tank	25 Foot Roll, Cut to 29"
20	843726	1	• Tube, Fuel Pick Up	
21	148231	1	• Elbow, 90° Fuel	
22	48310	2	• Grommet, Fuel Tank	
23	836852	1	• Breather	
24	843343	1	Cap, Unvented Fuel	
25	843298	1	Sender, Fuel Level	See 13.1
26	829954	1	Gasket, Fuel Tank	
27	833953	1	Cover, Fuel Sender	
28	800021	5	Screw, #10-32 x 1/2" Pan Head	
29	120052	5	Lockwasher, #10	
30	829787	2	Terminal, 1/4" Male	
31	894201	1	Harness, Fuel Sender	25 Foot Roll, Cut to 18"
32	829997	1	Grommet	
33	4113018	1	Adapter,, 5/16 to 1/4" Hose	
34	830425	2	Hose, Adapter to Regulator 1/4	
35	826590	1	Hose, Tank Return to Adapter	
36	825264	2	Clamp, Hose	25 Foot Roll, Cut to 22"
37	831039	1	Hose, Regulator to Vacuum Port	
38	2700166	1	Clamp, Filter	
39	REF	1	Support, Tank	
40	893555	1	Strap, Tank	
41	834005	1	Seal, Foam	
42	103867	1	Flat Washer, 5/16	See 12.1
43	800221	1	Locknut, 5/16-18 Center	
44	4115904	1	Adapter, 1/4" Tee	
45	7301	1	Flex Guard	
				Cut to 5"

> Change from previous revision

34.1 Hydraulic Tank and Filter

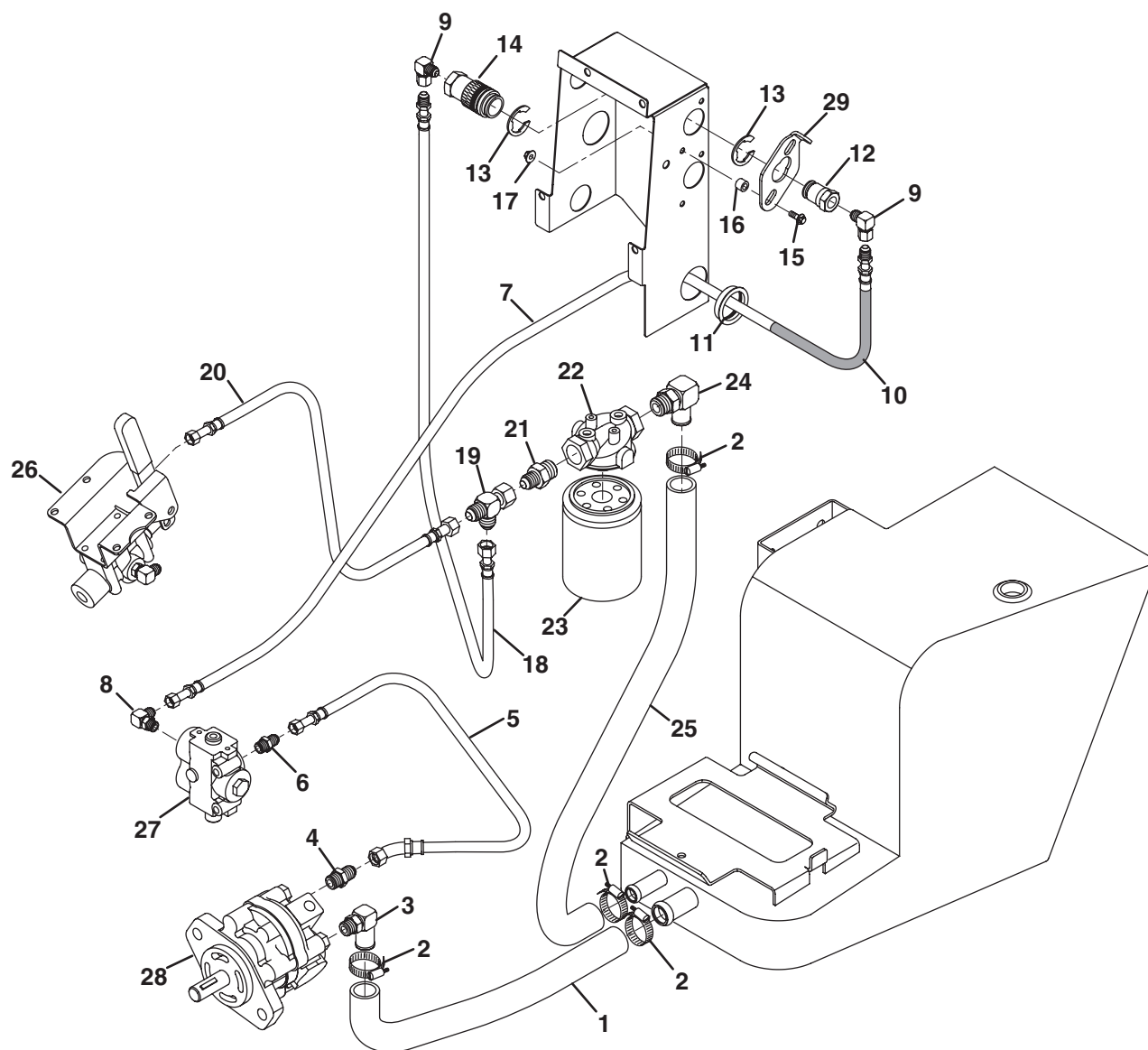
Serial No. All



TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	894675	1	Tank, Hydraulic	<p>Add as required to secure battery Used on all, except 84044</p> <p>Used on 84044 Only</p>
2	452388	2	Screw, M8-1.25 x 20 mm Flange	
3	450453	2	Nut, M8-1.25 Hex Flange	
4	452399	2	Screw, M10-1.5 x 25 mm Flange	
5	800113	2	Plug, 1/2 NPT	
6	893539	1	Dipstick, Hydraulic Tank	
7	827486	1	Valve, Pressure Relief	
8	829800	1	Battery, 12 Volt	
9	844601	1	Bracket, Battery Clamp	
10	452389	1	Screw, M8-1.25 x 25 mm Flange	
11	844729	AR	Spacer, Battery Clamp	
12	2700800	1	Hydraulic Cover	
13	837270	1	• Decal, Hydraulic Connections	
14	2700801	1	Hydraulic Cover, EC	
15	840857	1	• Decal, Hydraulic Connections	
16	800930	4	Screw, M8-1.25 x 16 mm Flange	
17	REF	1	Hydraulic Filter	
18	548827	2	Screw, 1/4-20 x 1/2" Hex Flange	
19	2701107.7	1	Panel, Access	
20	300646	4	Screw, 1/4-20 x 3/4" Truss	
21	308090	4	Flat Washer, 1/4	
22	800279	4	Nut, 1/4-20 Speed	
23	821893	1	Trim, Push On	

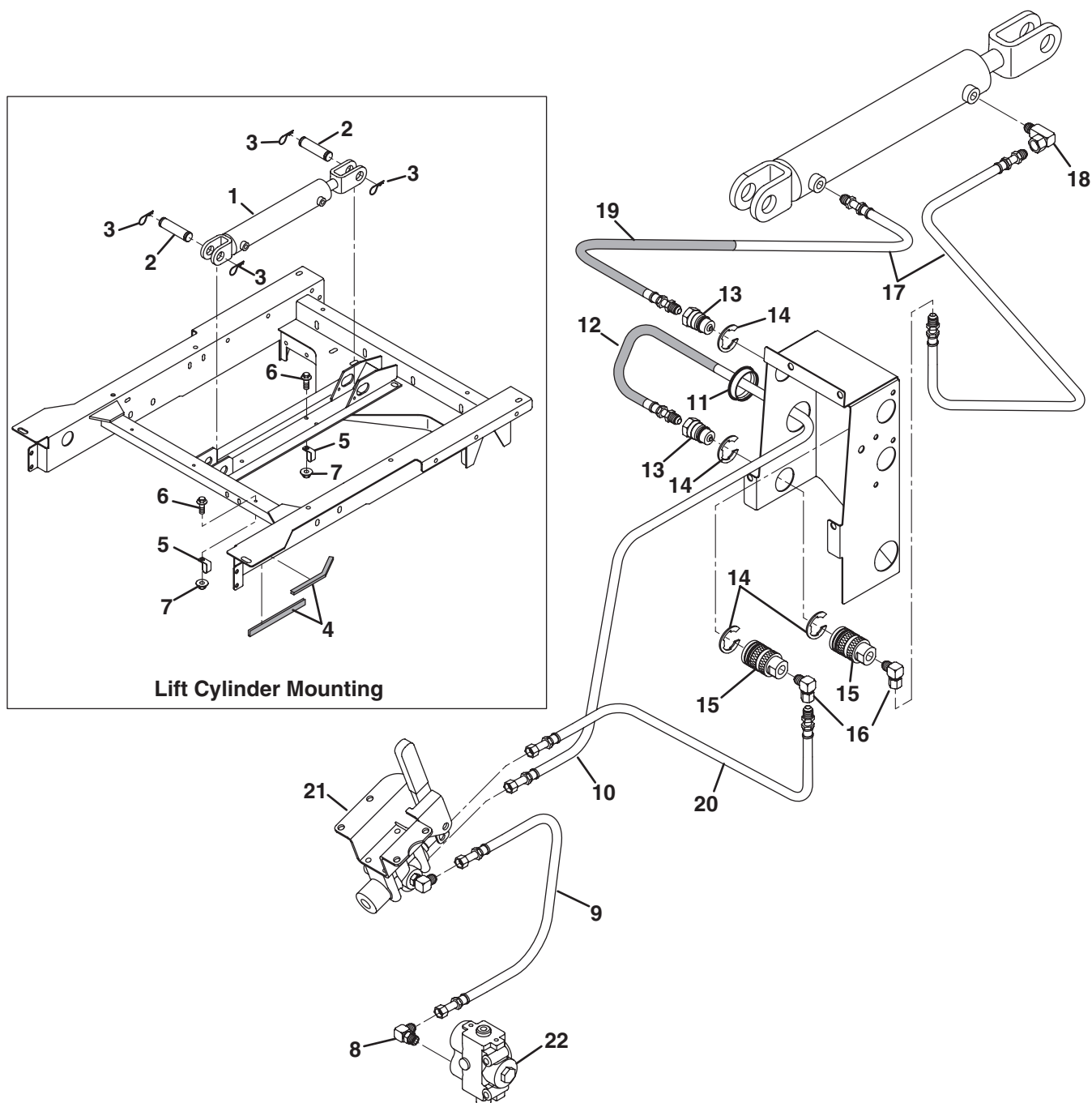
> Change from previous revision



TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	844564	1	Hose, Tank to Filter	
2	836206	4	Clamp, Hose	
3	844583	1	Fitting, 90°	
4	844566	1	Fitting, Straight	
5	844628	1	Hose, Pump to Selector Valve	
6	844652	1	Fitting, 9/16-18 x 3/4-16 Straight	
7	844600	1	Hose, Selector Valve to Coupler	
8	844571	1	Fitting, 9/16-18 x 3/4-16 90°	
9	835101	2	Fitting, 3/8" NPT 90°	
10	840877	1	Sleeve, Nylon	
11	844584	1	Bushing, Flip Lock	
12	894702	1	Coupler Half, Dry Seal Male	
13	832414	2	Ring, Rataining	
14	894701	1	Coupler Half, Dry Seal Female	
15	452381	2	Screw, M6-1 x 40 mm Flange	
16	844973	2	Bushing	
17	450452	2	Nut, M6-1 Hex Flange	
18	844600	1	Hose, Coupler to Filter	
19	844627	4	Fitting, 3/4-16 Tee	
20	844630	1	Hose, Control Valve to Filter	
21	844590	1	Fitting, 3/4-16 x 1-1/16-12 Straight	
22	894691	1	Head, Fltler	
23	885249	1	Filter Element	
24	523768	1	Fitting, 90°	
25	844565	1	Hose, Filter to Tank	
26	REF	1	Control Valve	See 35.1
27	REF	1	Selector Valve	See 35.1
28	888042	1	Pump, Hydraulic	Not Shown, Secures Nylon Sleeve
	306560	1	• Key, Woodruff #5	
	887017	1	• Seal Kit	
29	844937	1	Plate, Coupler Retainer	
30	320107	2	Tie, 7-1/2" Cable	

> Change from previous revision



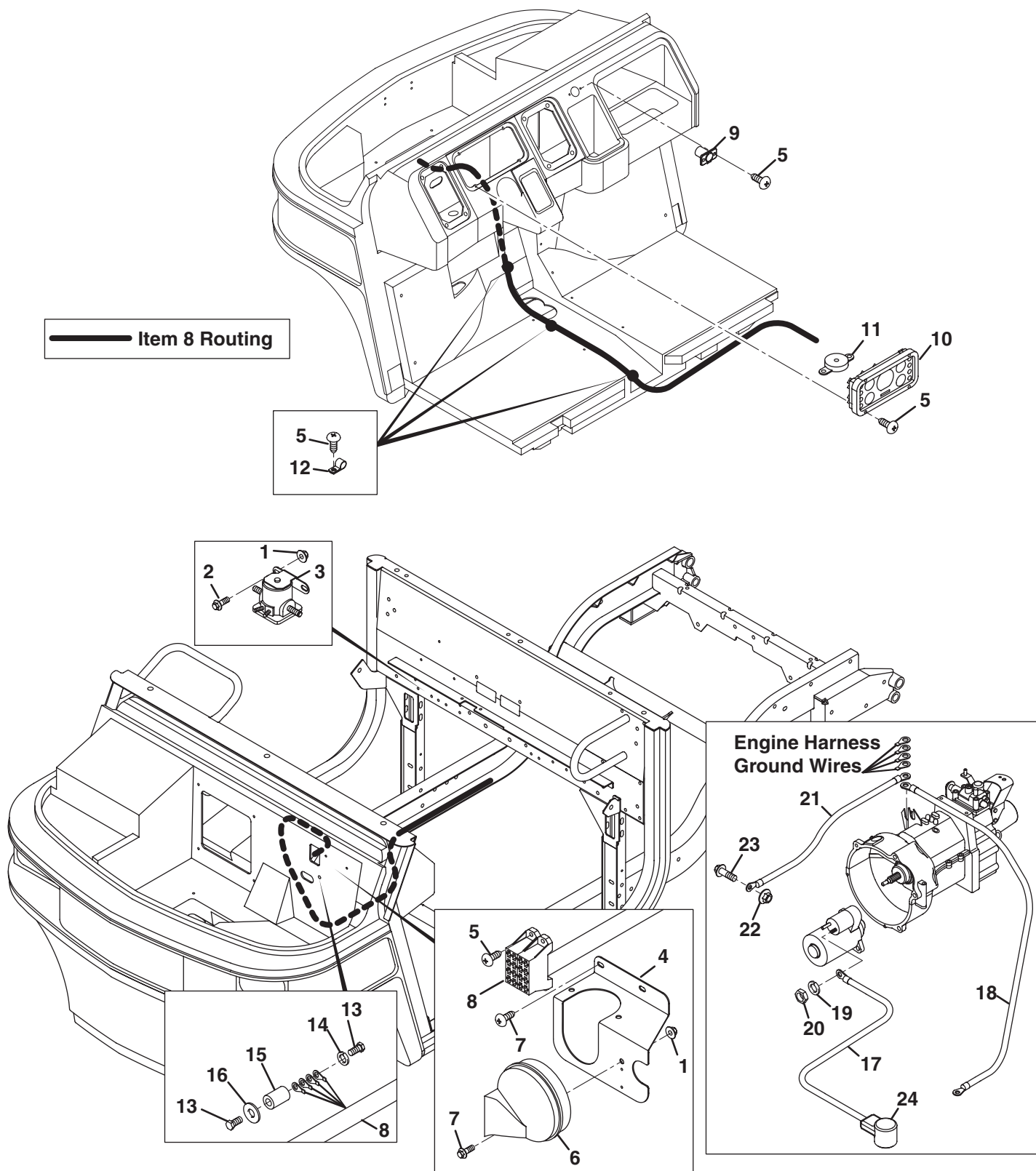
TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	882993	1	Cylinder, Dump Box	Texas Hydraulics Columbus Hydraulics DANA Hydraulics
	883236	1	• Seal Kit	
	884574	1	• Seal Kit	
	886001	1	• Seal Kit	
2	830810	2	Pin, Clevis	Control Valve Port B
3	809265	4	Hair Pin	
4	821893	AR	Trim, Push On	
5	817320	2	Clamp, Hose	
6	452378	2	Screw, M6-1 x 20 mm Hex Flange	
7	450452	2	Nut, M6-1 Hex Flange	
8	826558	1	Fitting, 9/16-18 90°	
9	844019	1	Hose, Selector Valve to Control Valve	
10	841892	1	Hose, Control Valve to Coupler	
11	844584	1	Bushing, Flip Lock	
12	840877	1	Sleeve, Nylon	
13	832408	2	Coupler Half, Male	
14	832414	4	Ring, Retaining	
15	832409	2	Coupler Half, Female	
16	835101	2	Fitting, 3/8" NPT 90°	
17	832900	2	Hose, Lift Cylinder to Coupler	
18	823119	1	Fitting, 1/4" NPT	
19	840877	1	Sleeve, Nylon	
20	844598	1	Hose, Control Valve to Coupler	
21	REF	1	Control Valve	Control Vale Port A See 35.1
22	REF	1	Selector Valve	See 35.1
23	320107	4	Tie, 7-1/2" Cable	Not Shown, Secures Nylon Sleeve

> Change from previous revision

37.1 Diesel Electrical Components

Serial No. 84043 All
Serial No. 84044 All



TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	450452	3	Nut, M6-1 Hex Flange	See 49.1 Located inside front clip, behind dash panel Battery to Transmission Transmission to Right Frame Rail
2	452378	2	Screw, M6-1 x 20 mm Hex Flange	
3	2701465	1	Solenoid, Starter	
	120052	2	• Lockwasher, #10	
	132520	2	• Nut, #10-32 Hex	
	306325	2	• Lockwasher, 5/16	
	306932	2	• Nut, 5/16-18 Hex	
4	844167	1	Bracket, Horn, Brake Fluid Reservoir	
5	800943	15	Screw, #10-16 x 3/4" Thread Cutting	
6	886425	1	Horn	
7	800934	3	Screw, M6-1 x 16 mm Hex Flange	
8	894266	1	Harness, Main	
9	843942	1	Socket, 12V Accessory Plug	
10	4116941	1	Panel, Instrument with Tachometer	
11	890000	1	Buzzer, High Temperature	
12	831225	3	Clamp, Wire Harness	
13	306419	2	Screw, 1/4-20 x 1/2" Hex Head	
14	306488	1	Lockwasher, 1/4 External Tooth	
15	828231	1	Insulator	
16	548175	1	Flat Washer, 1/4	
17	894596	1	Positive Battery Cable	
18	884513	1	Negative Battery Cable	
19	306325	1	Lockwasher, 5/16	
20	450324	1	Nut, M8-1.25 Hex	
21	892811	1	Cable, Ground	
22	450453	1	Nut, M8-1.25 Hex Flange	
23	452388	1	Screw, M8-1.25 x 20 mm Flange	
24	841895	1	Cover, Positive Battery Terminal	

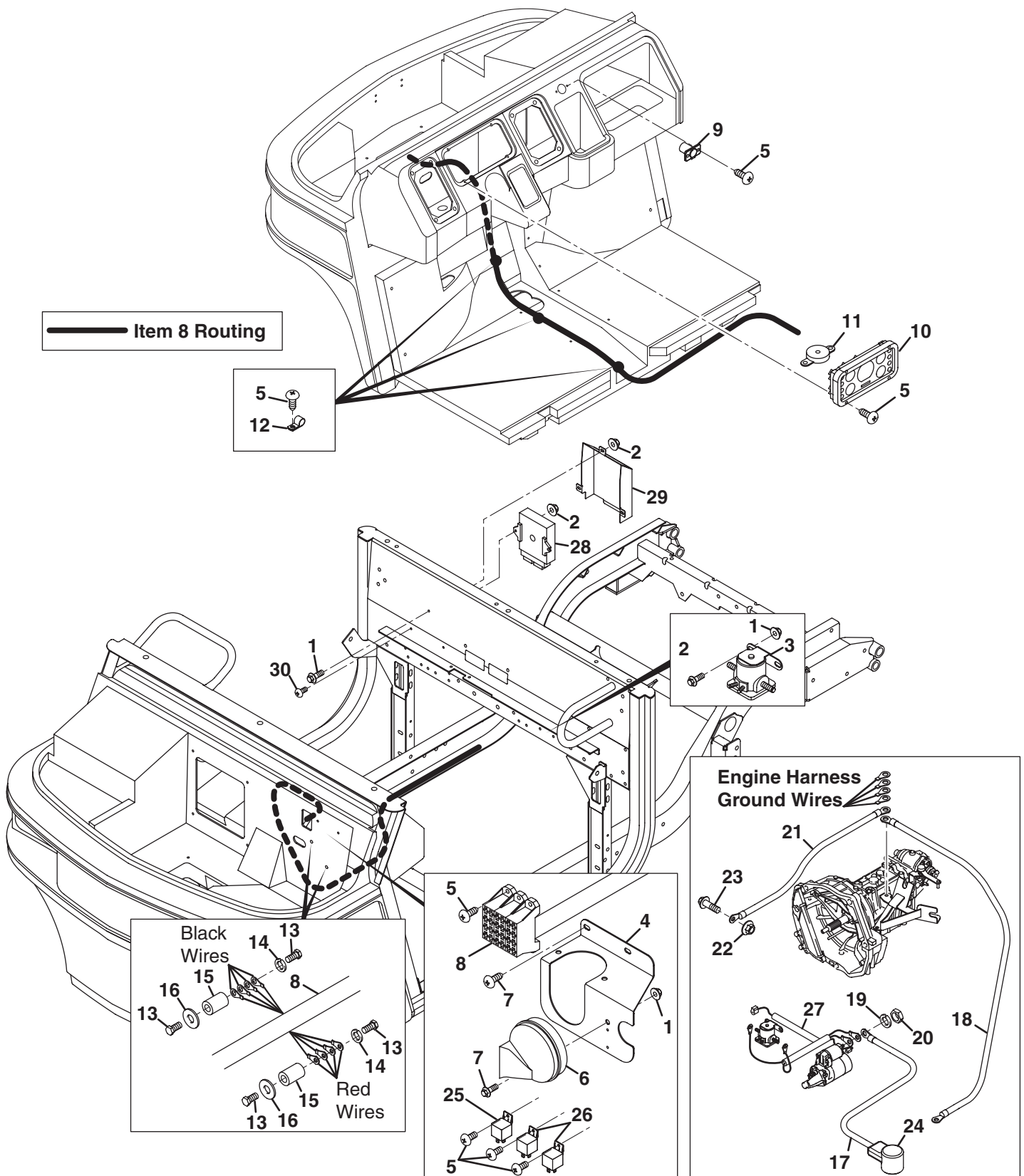
> Change from previous revision

38.1 Gas Electrical Components

Serial No. 898627 All

Serial No. 898628 All

Serial No. 84054 All



TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	450452	8	Nut, M6-1 Hex Flange	See 49.1 Located inside front clip, behind dash panel Manual Transmission Automatic Transmission Battery to Transmission Transmission to Right Frame Rail Manual Transmission Automatic Transmission Not Shown
2	452378	5	Screw, M6-1 x 20 mm Hex Flange	
3	2701465	1	Solenoid, Starter	
	120052	2	• Lockwasher, #10	
	132520	2	• Nut, #10-32 Hex	
	306325	2	• Lockwasher, 5/16	
	306932	2	• Nut, 5/16-18 Hex	
4	844167	1	Bracket, Horn, Brake Fluid Reservoir	
5	800943	15	Screw, #10-16 x 3/4" Thread Cutting	
6	886425	1	Horn	
7	800934	3	Screw, M6-1 x 16 mm Hex Flange	
8	4115709	1	Harness, Main	
9	843942	1	Socket, 12V Accessory Plug	
10	4116941	1	Panel, Instrument with Tachometer	
11	890000	1	Buzzer, High Temperature	
12	831225	3	Clamp, Wire Harness	
13	306419	2	Screw, 1/4-20 x 1/2" Hex Head	
14	306488	1	Lockwasher, 1/4 External Tooth	
15	828231	1	Insulator	
16	548175	1	Flat Washer, 1/4	
17	894596	1	Positive Battery Cable	
17	2701502	1	Positive Battery Cable	
18	884513	1	Negative Battery Cable	
19	306325	1	Lockwasher, 5/16	
20	450324	1	Nut, M8-1.25 Hex	
21	892811	1	Cable, Ground	
22	450453	1	Nut, M8-1.25 Hex Flange	
23	452388	1	Screw, M8-1.25 x 20 mm Flange	
24	841895	1	Cover, Positive Battery Terminal	
25	2700867	1	Relay, EFI 12 V 70A SP	
26	843167	2	Relay, 12V 15A DPST	
27	4116017	1	Harness, Generator	
28	4140994	1	Controller, EFI Engine	
28	4140995	1	Controller, EFI Engine	
29	2700993-G01	1	Cover, Engine Controller	
30	450544	2	Screw, M61 x 30 mm Pan Head	
31	4116018	1	Harness, Temp Sender	

> Change from previous revision

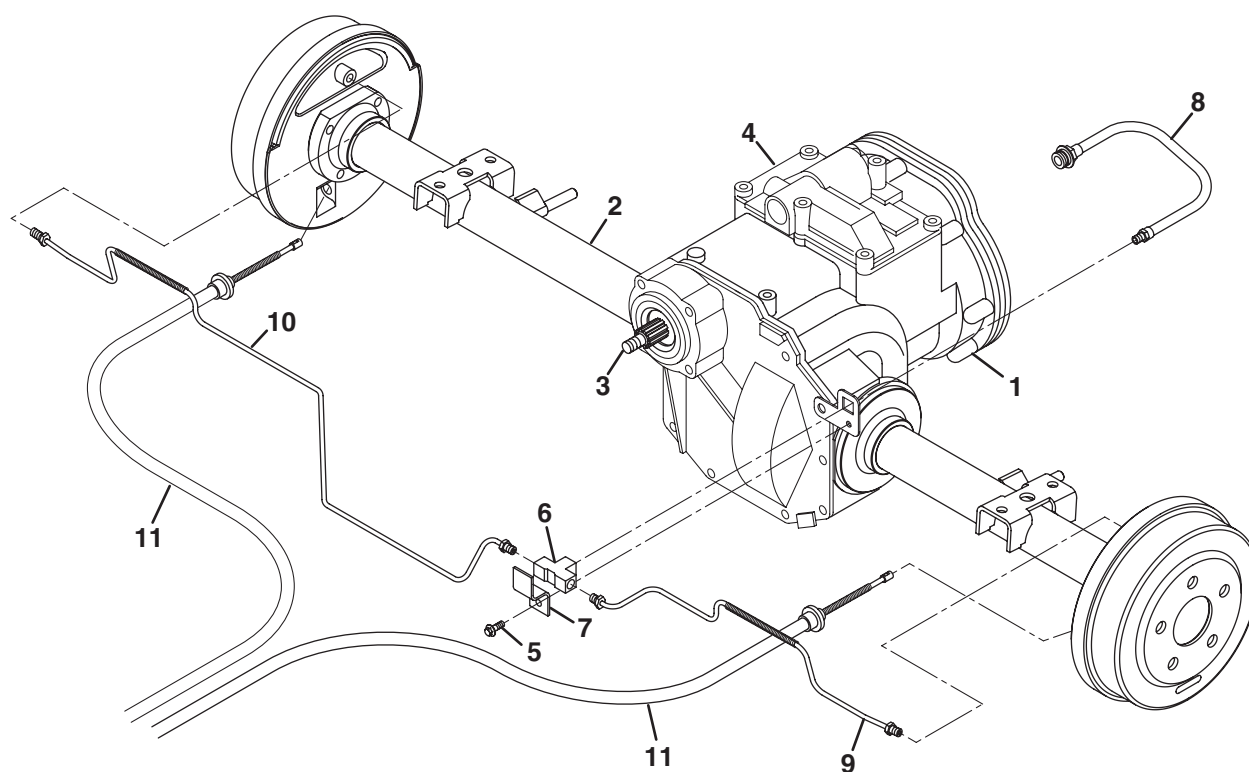
TURF TRUCKSTER

39.1 Differential Assembly

Serial No. All

Part Number 894509 (14.21:1 Differential)

Part Number 893591 (11.16:1 Differential)



TURF TRUCKSTER

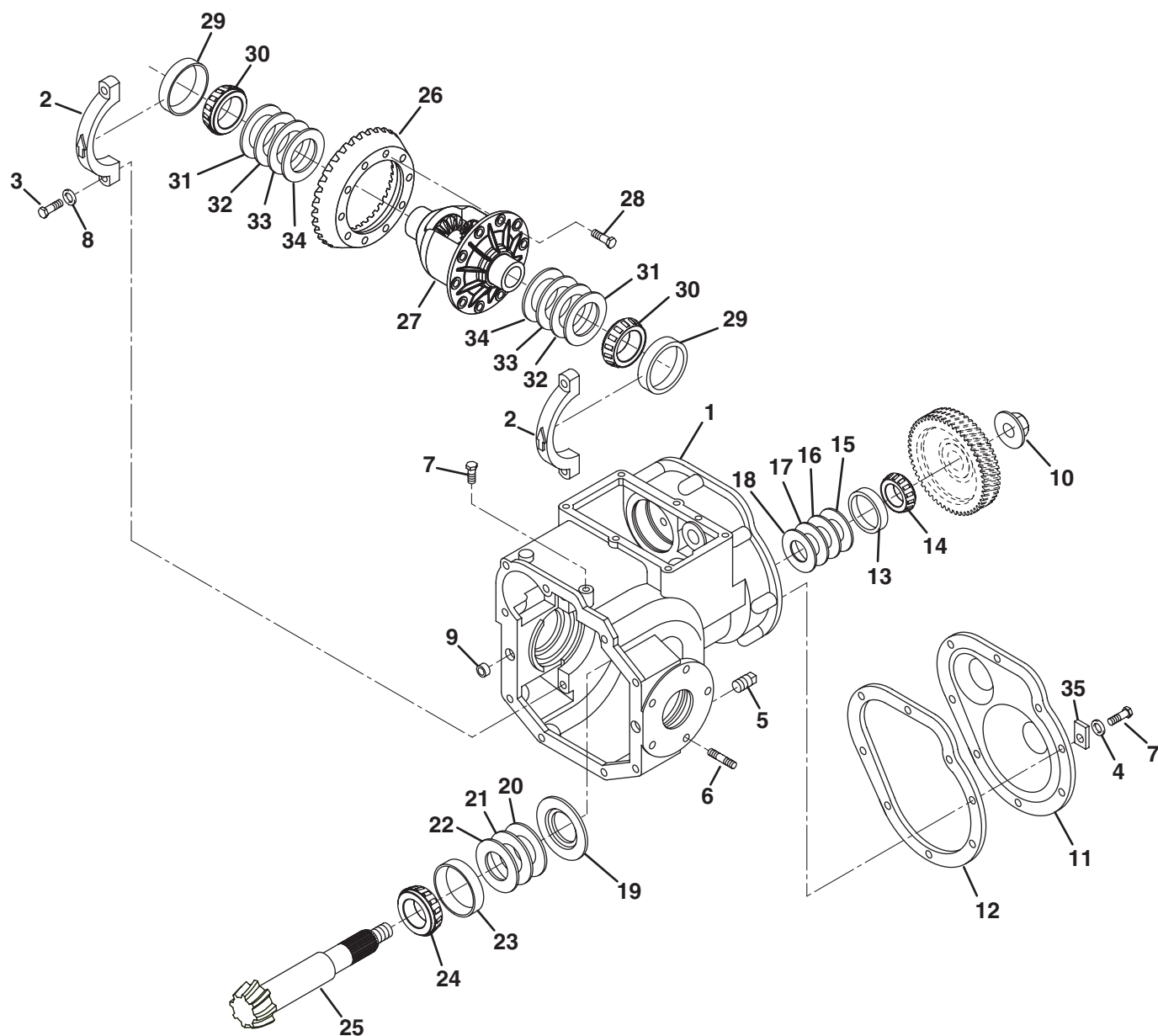
Item	Part No.	Qty.	Description	Serial Numbers/Notes
	894509	1	Differential Assembly	14.21:1 Differential
	893491	1	Differential Assembly	11.16:1 Differential
1	891829	1	• Differential Housing	See 40.1
2	N/S	1	• Axle Tubes and Shafts	See 41.1
3	N/S	1	• Input, Main and Jack Shaft	See 43.1
4	N/S	1	• Front and Shift Cover	See 42.1
5	112050	1	• Screw, 1/4-20 x 5/8" Self Tap	
6	841842	1	• Fitting, Hydraulic Brake Tee	
7	832584	1	• Clamp, Tee Fitting	
8	841844	1	• Hose, Brake	
9	841838	1	• Tube, Left Side Brake	
10	841837	1	• Tube, Right Side Brake	
11	893583	2	• Cable, Parking Brake	

> Change from previous revision

40.1 Differential Housing

Part Number 891829

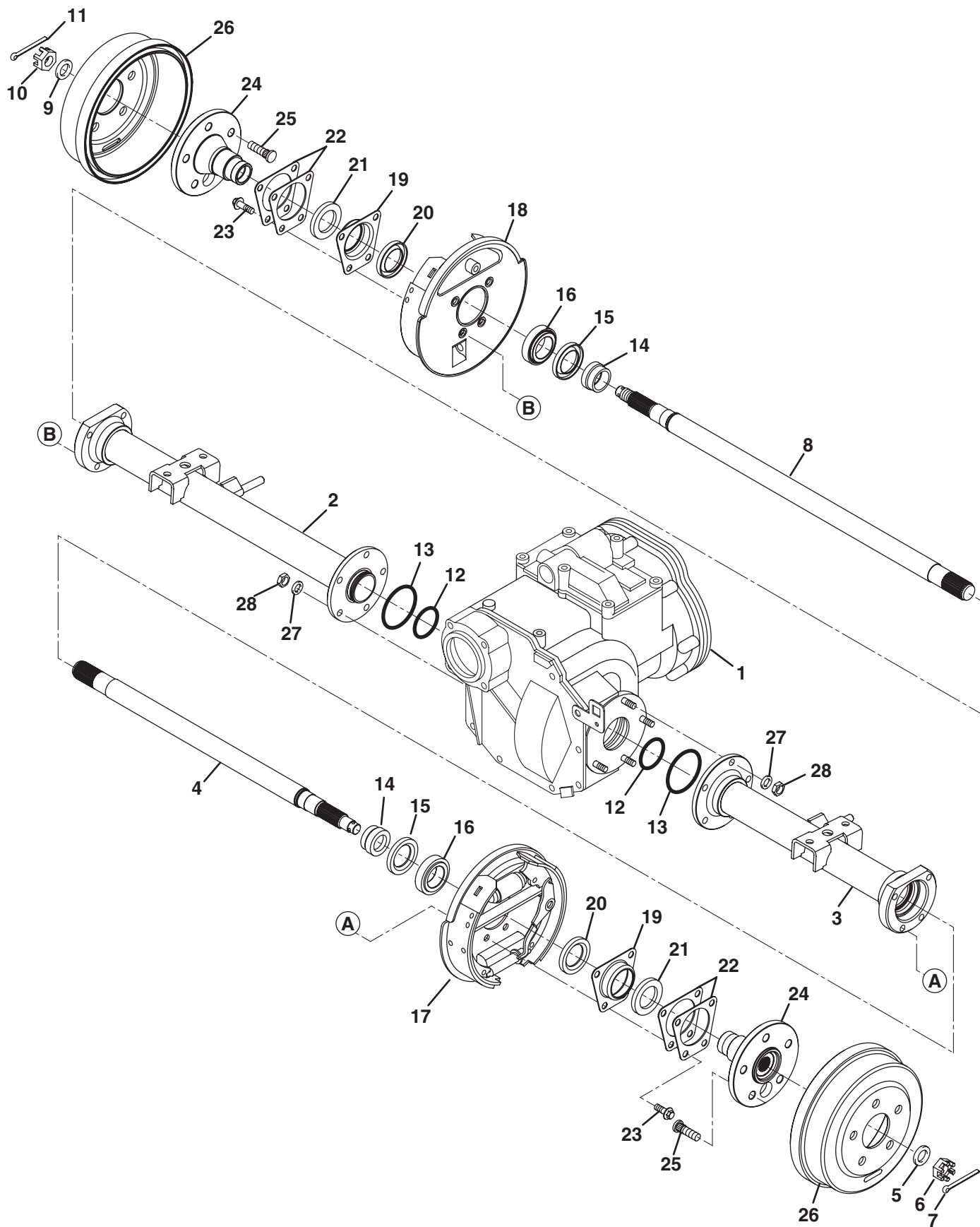
Serial No. All



TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	891829	1	Differential Housing	Used on 14.21:1 Differential Only
2	N/S	2	• Bearing Caps	
3	306829	4	• Screw, 7/16-14 x 2" Hex Head	
4	103867	8	• Flat Washer, 5/16	
5	111074	1	• Plug, Drain	
6	111758	10	• Stud, 3/8-16 & 3/8-24 x 1-23/32	
7	306322	9	• Screw, 5/16-18 x 7/8" Hex Head	
8	306982	4	• Flat Washer, 7/16	
9	517226	2	• Bushing	
10	800718	1	• Nut, 3/4-16 Hex Lock	
11	836443	1	• Rear Cover	
12	2702146	1	• Spacer, 14.21:1 Differential	
13	814476	1	• Cup, Bearing (2-17/32" O.D.)	
14	836680	1	• Cone, Bearing (1-1/8" I.D.)	
15	836688	AR	• Shim, .003 Thick	Add or remove shims as required to adjust gear backlash
16	836689	AR	• Shim, .005 Thick	
17	836690	AR	• Shim, .010 Thick	
18	836691	AR	• Shim, .030 Thick	Add or remove shims as required to adjust gear backlash
19	836692	1	• Baffle, Oil	
20	836685	AR	• Shim, .003 Thick	
21	836686	AR	• Shim, .005 Thick	Add or remove shims as required to adjust gear backlash
22	836687	AR	• Shim, .010 Thick	
23	836677	1	• Cup, Bearing (2.84" O.D.)	
24	836678	1	• Cone Bearing (1-3/8" I.D.)	
	889870	1	• Gear Set	
25	N/S	1	• • Pinion Gear and Shaft	
26	N/S	1	• • Ring Gear	
27	N/S	1	• Differential Carrier	Add or remove shims as required to adjust gear backlash
28	800717	10	• Screw, 3/8-24 x 13/16 Hex Head	
29	836675	2	• Cup, Bearing (2.89" O.D.)	
30	836676	2	• Cone, Bearing, (1-5/8" I.D.)	
31	836681	AR	• Shim, .003 Thick	Add or remove shims as required to adjust gear backlash
32	836682	AR	• Shim, .005 Thick	
33	836693	AR	• Shim, .010 Thick	
34	836694	AR	• Shim, .030 Thick	
35	839948	1	Tag, 14.21:1 Ratio	

> Change from previous revision



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	894509	1	Differential Assembly	14.21:1 Differential
1	893491	1	Differential Assembly	11.16:1 Differential
2	2702535.7	1	• Tube, Right Side Axle	
3	2702534.7	1	• Tube, Left Side Axle	
4	2700530	1	• Left Side Axle Assembly	
	2700514	1	• • Shaft, Left Side Axle	
5	845356	1	• • Washer	
6	800743	1	• • Nut, 3/4-16 Slotted Hex	
7	304636	1	• • Cotter Pin, 1/8 x 1-1/8"	
8	2700531	1	• Right Side Axle Assembly	
	2700515	1	• • Shaft, Right Side Axle	
9	845356	1	• • Washer	
10	800743	1	• • Nut, 3/4-16 Slotted Hex	
11	304636	1	• • Cotter Pin, 1/8 x 1-1/8"	
12	836694	2	• Seal, 1-3/4" I.D. O-Ring	
13	2703481	2	• Seal, 2" I.D. O-Ring	
14	836426	2	• Collar, Axle Bearing	
15	838539	2	• Seal, Oil	
16	836695	2	• Bearing, Tapered Roller	
17	893581	1	• Left Side Brake Assembly	Includes Parking Brake Lever
	894930	1	• • Kit, Brake Cylinder	Replacement of Cylinder
	894931	1	• • Kit, Brake Cylinder Repair	Repair of Cylinder
	894932	1	• • Kit, Brake Shoe	Includes Left and Right sides
	894933	1	• • Kit, Left Side Spring	
	894935	1	• • Kit, Left Side Adjuster Repair	
18	893582	1	• Right Side Brake Assembly	Includes Parking Brake Lever
	894930	1	• • Kit, Brake Cylinder	Replacement of Cylinder
	894931	1	• • Kit, Brake Cylinder Repair	Repair of Cylinder
	894932	1	• • Kit, Brake Shoe	Includes Left and Right sides
	894934	1	• • Kit, Right Side Spring	
	894936	1	• • Kit, Right Side Adjuster Repair	
19	893519	2	• Retainer , Complete	
20	838539	1	• • Seal, Oil	
21	2703309	2	• Washer, Hardened	
22	844813	4	• Ring, Backing	
23	800944	8	• Screw, M10-1.5 x 25 mm	
24	2701408	2	• Hub, Rear Wheel	
25	800908	5	• • Bolt, Wheel	
26	841430	2	• Drum, Brake	
27	306405	10	• Washer, 3/8	
28	805387	10	• Locknut, 3/8-24 Special	

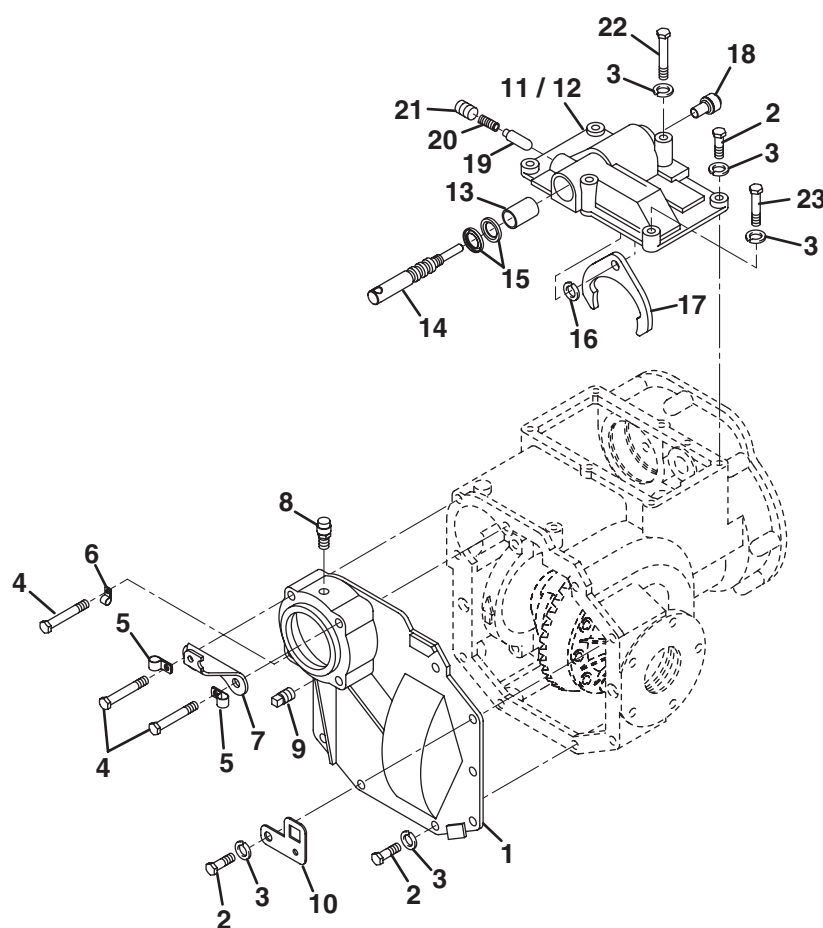
> Change from previous revision

42.1 Front and Shifter Cover

Serial No. All

14.21:1 Differential (894509)

11.16:1 Differential (893491)



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	836431	1	Cover, Front	14.21:1 Differential Only Right Side Brake Tube
2	306322	12	Screw, 5/16-18 x 7/8" Hex Head	
3	103867	14	Flat Washer, 5/16	
4	307776	3	Screw, 3/8-16 x 2-3/4" Hex Head	
5	810437	2	Clamp, 1/2" P	
6	810435	1	Clamp	
7	836841	1	Bracket, Shift Cable	
8	836852	1	Breather	
9	111074	1	Plug, Fill	
10	836959	1	Bracket, Brake Tee Mounting	
11	889780	1	Shift Cover Assembly	
12	889925	1	• Cover	
13	N/S	1	• • Bushing	
14	836658	1	• Shaft, Shift	
15	831099	2	• Seal, Oil	
16	548937	1	• Lockwasher, 7/16	
17	836657	1	• Fork, Shift	
18	836662	1	• Bushing, Guide	
19	807366	1	• Button, Positioning	
20	2700493	1	• Spring	
21	548204	1	• Set Screw, 3/8-16 x 3/8"	
22	306423	2	Screw, 5/16-18 x 1-3/4" Hex Head	
23	306435	1	Screw, 5/16-18 x 1-1/4" Hex Head	

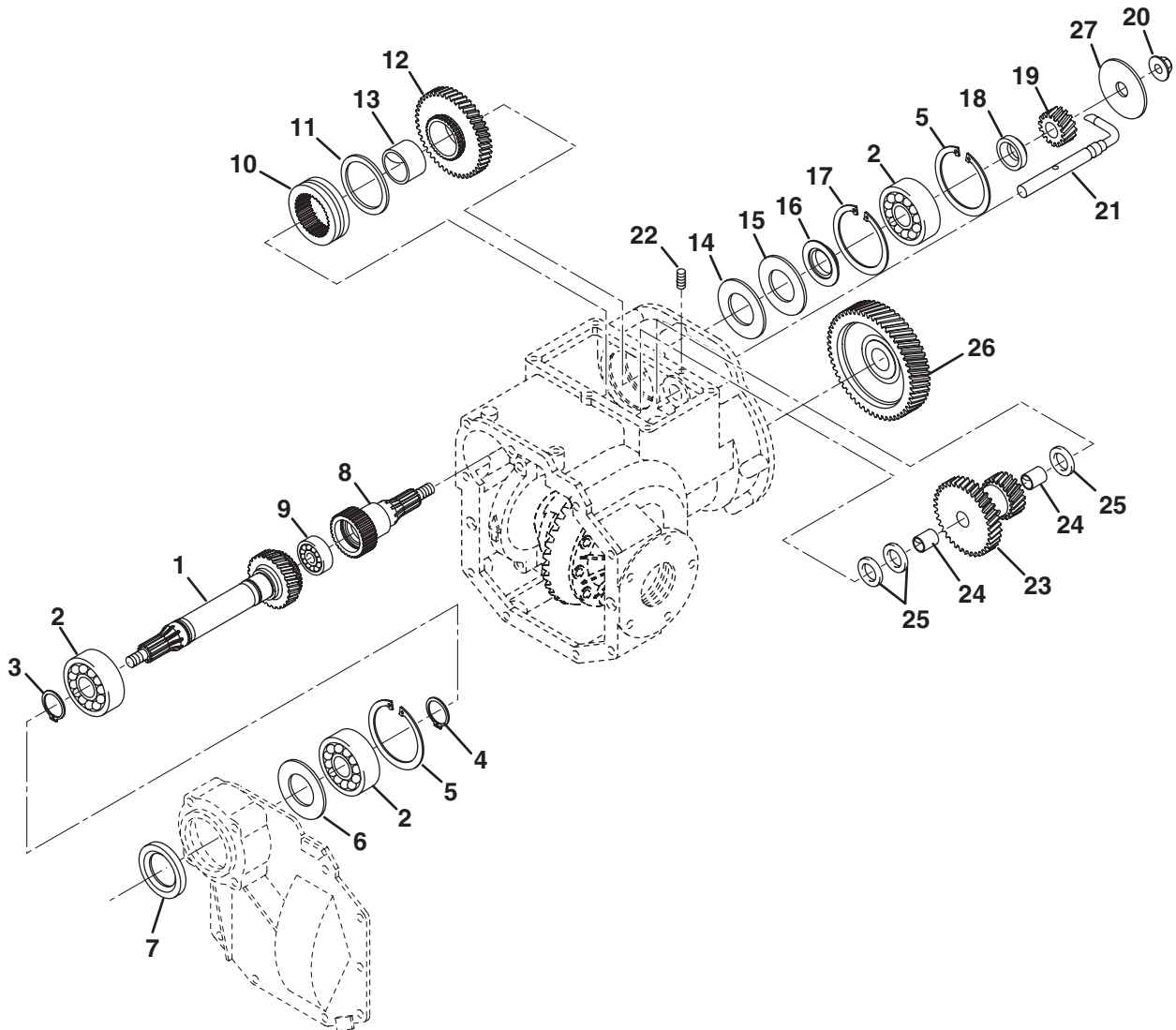
> Change from previous revision

43.1 Input, Main and Jack Shafts

Serial No. All

14.21:1 Differential (894509)

11.16:1 Differential (893491)



TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	836421	1	Shaft, Input	
2	836693	3	Bearing, Ball	
3	809254	1	Ring, External Retaining	
4	800695	1	Ring, External Retaining	
5	800737	2	Ring, Internal Retaining	
6	837020	1	Baffle, Vent	
7	812325	1	Seal, Oil	
8	836422	1	Shaft, Main	
9	812009	1	Bearing, Ball	
10	836429	1	Collar, Engaging	
11	844956	1	Bearing, Bronze Thrust	
12	894886	1	Gear, Driven	
13	812006	1	• Bushing	
14	811993	1	Bearing, Thrust	
15	844951	AR	Shim, .003 Thick	Add or remove shims as required to adjust gear backlash.
15	844952	AR	Shim, .005 Thick	
15	844953	AR	Shim, .010 Thick	
16	845034	1	Collar, Thrust	14.21:1 Differential (894509) 11.16:1 Differential (893491)
17	548952	1	Lockring	
18	836420	1	Spacer, Pinion	
19	842359	1	Pinion, 15 Tooth	
19	836440	1	Pinion, 18 Tooth	
20	800559	1	Nut, 1/2-20 Crown Lock	
21	891089	1	Jackshaft	
22	548201	1	Set Screw, 5/16-18 x 5/16	
23	894519	1	Cluster Gear	
24	844087	2	• Bushing	
25	811992	3	Shim, CLuster Gear	
26	842360	1	Gear, 52 Tooth	
26	836441	1	Gear, 49 Tooth	
27	837198	1	Baffle, Oil Scoop	

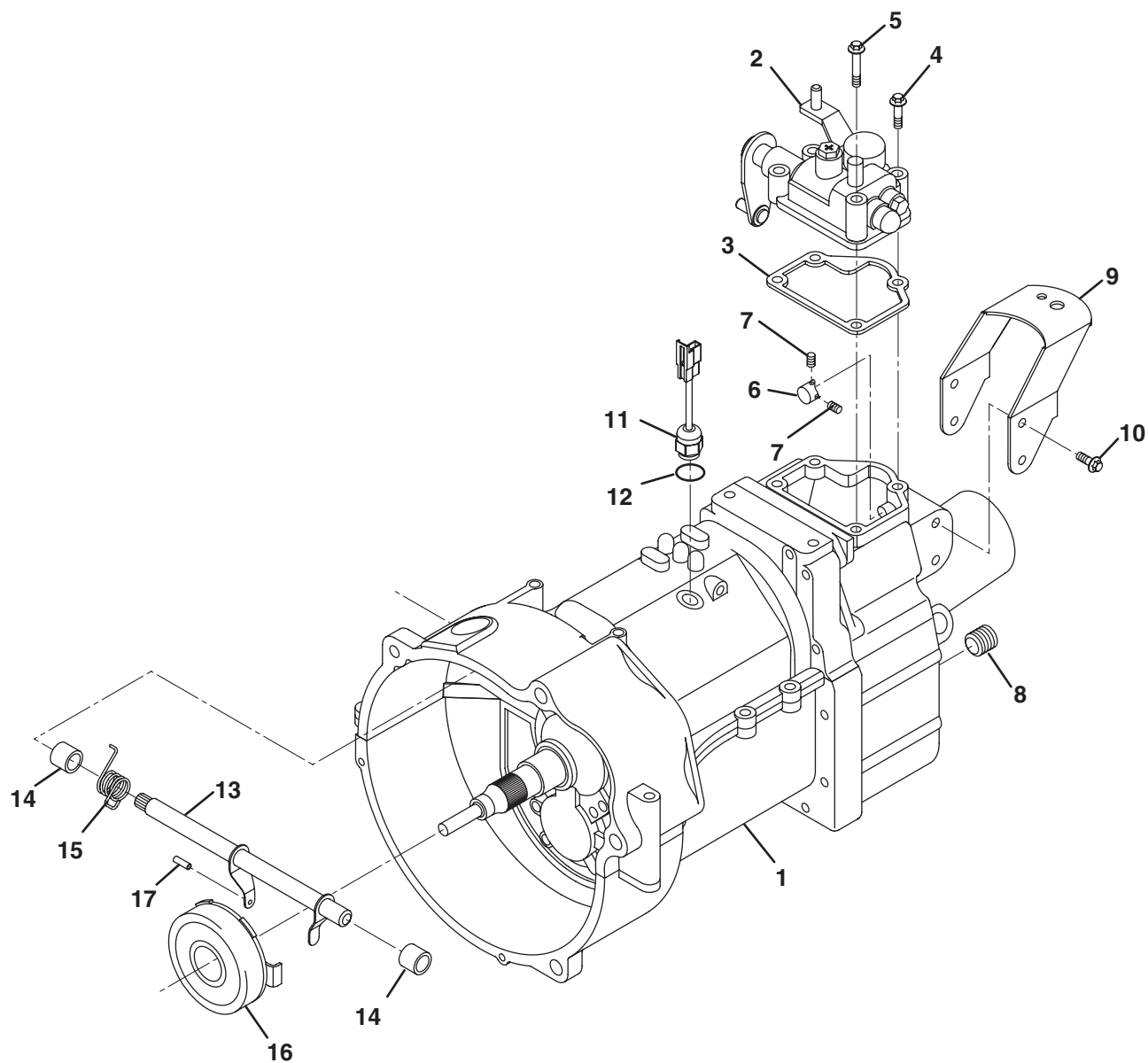
> Change from previous revision

44.1 Transmission Clutch Release-Shift Selector

Diesel Engine Only

Serial No. 84043 - All

Serial No. 84044 - All



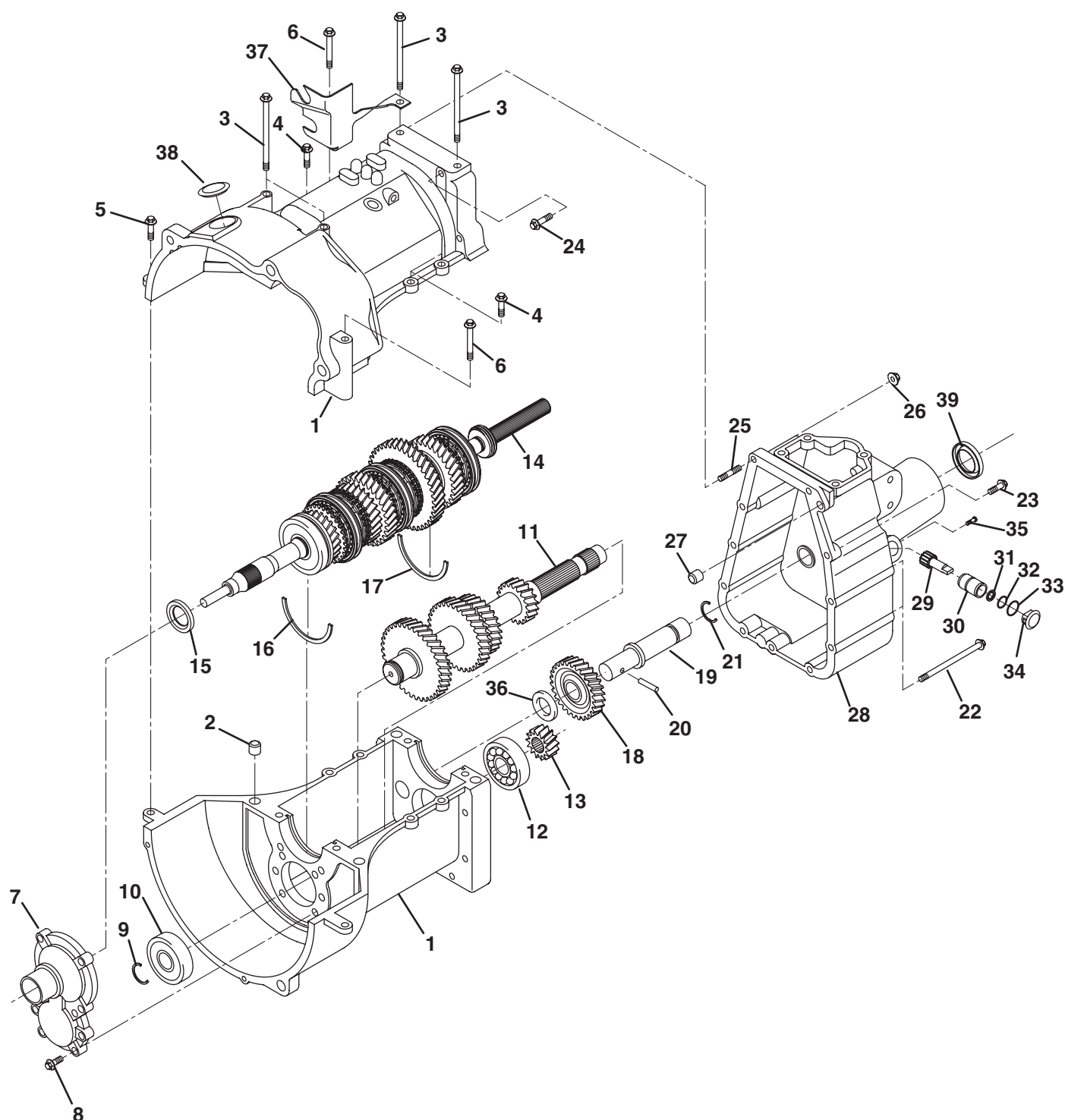
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	REF	1	Transmission Case	See 45.1
2	REF	1	Shift Assembly	See 47.1
3	845223	1	Gasket, Shift Case	
4	2702659	3	Screw, M8-1.25 x 40 mm	
5	01550-08553	1	Screw, M8-1.25 x 55 mm	
6	844228	1	Stop, 5th Gear Lockout	
7	548222	2	Set Screw, #8-32	
8	2702684	1	Plug, Drain	
9	11741-85200	1	Support, Transmission	
10	2702475	4	Screw	
11	37610-80023	1	Switch, Backup Light	
12	09280-11002	1	• O-Ring	
13	23260-85203	1	Shaft, Clutch Release	
14	09300-14017	2	Bushing, Clutch Release	
15	09448-20007	1	Spring, Clutch Release	
16	23265-85200	1	Bearing, Clutch Release	
17	09205-03019	1	Roll Pin	

> Change from previous revision

45.1 Transmission Case

Diesel Engine Only

Serial No. 84043 - All
Serial No. 84044 - All

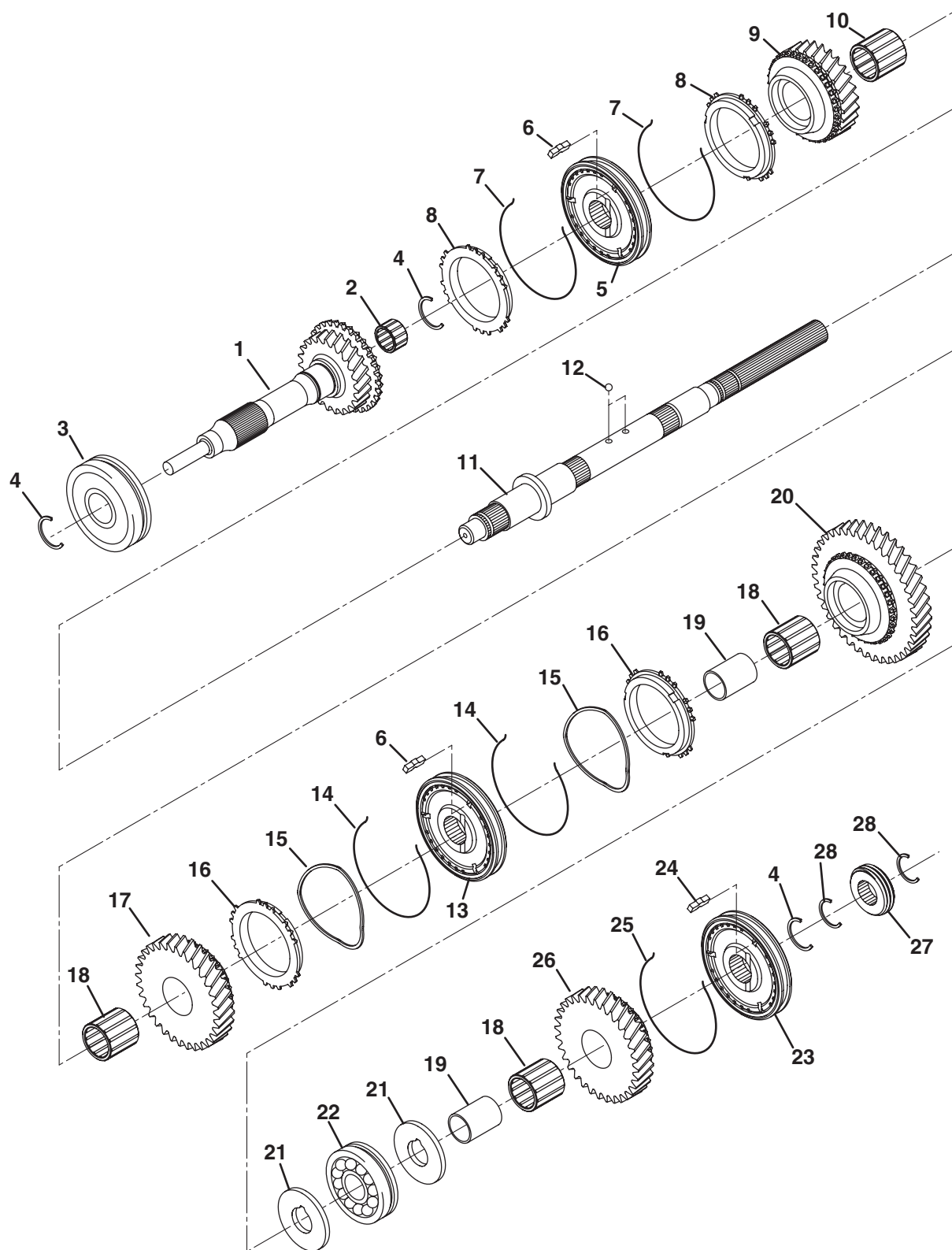


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	24700-85200	1	Case, Transmission	Upper and Lower Half
2	2702690	2	• Pin, Alignment	
3	09103-08131	4	• Screw, M8-1.25 x 120 mm Flange	
4	2702470	3	• Screw, M8-1.25 x 30 mm Flange	See 46.1
5	2702659	1	• Screw, M8-1.25 x 40 mm Flange	
6	2702471	2	• Screw, M8-1.25 Flange	
7	24741-83001	1	Retainer, Input Shaft Bearing	
8	09103-08152	8	Screw, M8-1.25 x 25 mm Flange	
9	09380-28007	1	Cir CLip	
10	09262-28019	1	Bearing, Front	
11	24131-83002	1	Counter Shaft	
12	09262-28020	1	Bearing, Center	
13	24671-83000	1	Gear, Countershaft Reverse	
14	REF	1	Input and Main Shaft	
15	09283-25088	1	Seal, Oil	
16	09390-68002	1	C-Ring	
17	09390-62010	1	C-Ring	
18	24560-83001	1	Gear, Reverse Idle	
19	24551-83010	1	Shaft, Reverse Idle Gear	
20	09261-06003	1	Pin	
21	2702586	1	Cir Clip	
22	09103-08132	3	Screw, M8-1.25 x 100 mm Flange	
23	01550-08353	5	Screw, M8-1.25 Flange	
24	2702659	4	Screw, M8-1.25 x 40 mm Flange	
25	01421-08303	1	Stud, M8-1.25	
26	2703002	1	Nut, M8-1.25 Hex Flange	
27	2702690	2	Pin, Alignment	
28	24770-85252	1	Case, Extension	
29	26131-85201	1	Gear, Speedometer Driven	
30	29431-85400	1	Case, Seepometer Gear	
31	09282-08001	1	Seal, Oil	
32	09280-19001	1	O-Ring	
33	09280-21014	1	O-Ring	
34	843754	1	Plug	
35	09128-06032	1	Bolt, Retaining	
36	09166-16014	1	Washer	
37	28391-85202	1	Bracket, Shift Cables	
38	2702662	1	Plug, Inspection Timing	
39	24780-83010	1	Seal, Extension Case	

> Change from previous revision

46.1 Input and Main Shaft

Serial No. 84043 - All
Serial No. 84044 - All



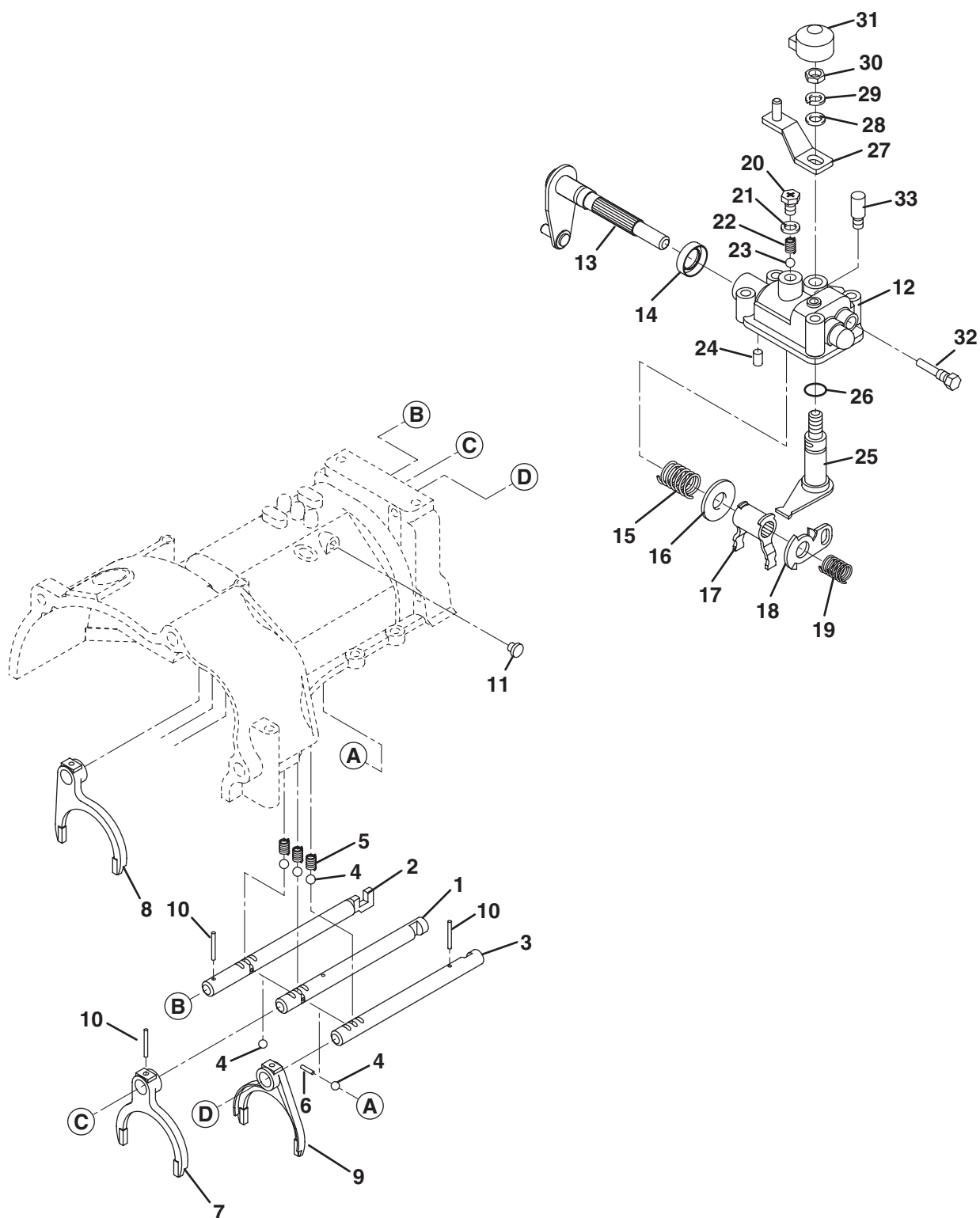
TURF TRUCKSTER

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	24110-80410	1	Shaft, Input	4th Gear
2	2702561	1	Bearing, Needle	
3	4141037	1	Bearing, Input Shaft Ball	
4	09380-28007	3	Cir Clip	
5	24410-83000	1	High Speed Synchroniser	Includes Hub and Sleeve
6	24471-60A00	6	Key, Synchronizer	
7	24442-81A20	2	Spring, High Speed Synchronizer	
8	24432-83001	3	Ring, Synchronizer	
9	24230-83001	1	Gear, Main Shaft 3rd	3rd Gear
10	09263-30031	1	Bearing, Needle	
11	24121-85252	1	Shaft, Main	
12	06111-06003	2	Ball	
13	24400-83000	1	Low Speed Synchronizer	Includes Hub and Sleeve
14	24436-83000	2	Spring, Low Speed Synchronizer	
15	24441-85F41	2	Spring, Low Speed	
16	24431-83001	2	Ring, Low Speed Synchronizer	
17	24220-60A01	1	Gear, Main Shaft 2nd	2nd Gear
18	09263-35015	3	Bearing, Needle	
19	09300-30003	2	Bushing	
20	24211-83011	1	Gear, Main Shaft Low	
21	09166-30007	2	Washer	1st Gear
22	09262-30086	1	Bearing, Ball	
23	24420-83000	1	Synchronizer, Reverse Drive	
24	24473-70D10	3	Key, Synchronizer	
25	2703581	1	Spring, Reverse Synchronizer	Reverse Gear
26	24681-83000	1	Gear, Main Shaft Reverse	
27	26121-85202	1	Gear, Speedometer Drive	
28	2702559	2	Cir Clip	

> Change from previous revision

47.1 Gear Shift Fork Linkage

Serial No. 84043 - All
Serial No. 84044 - All



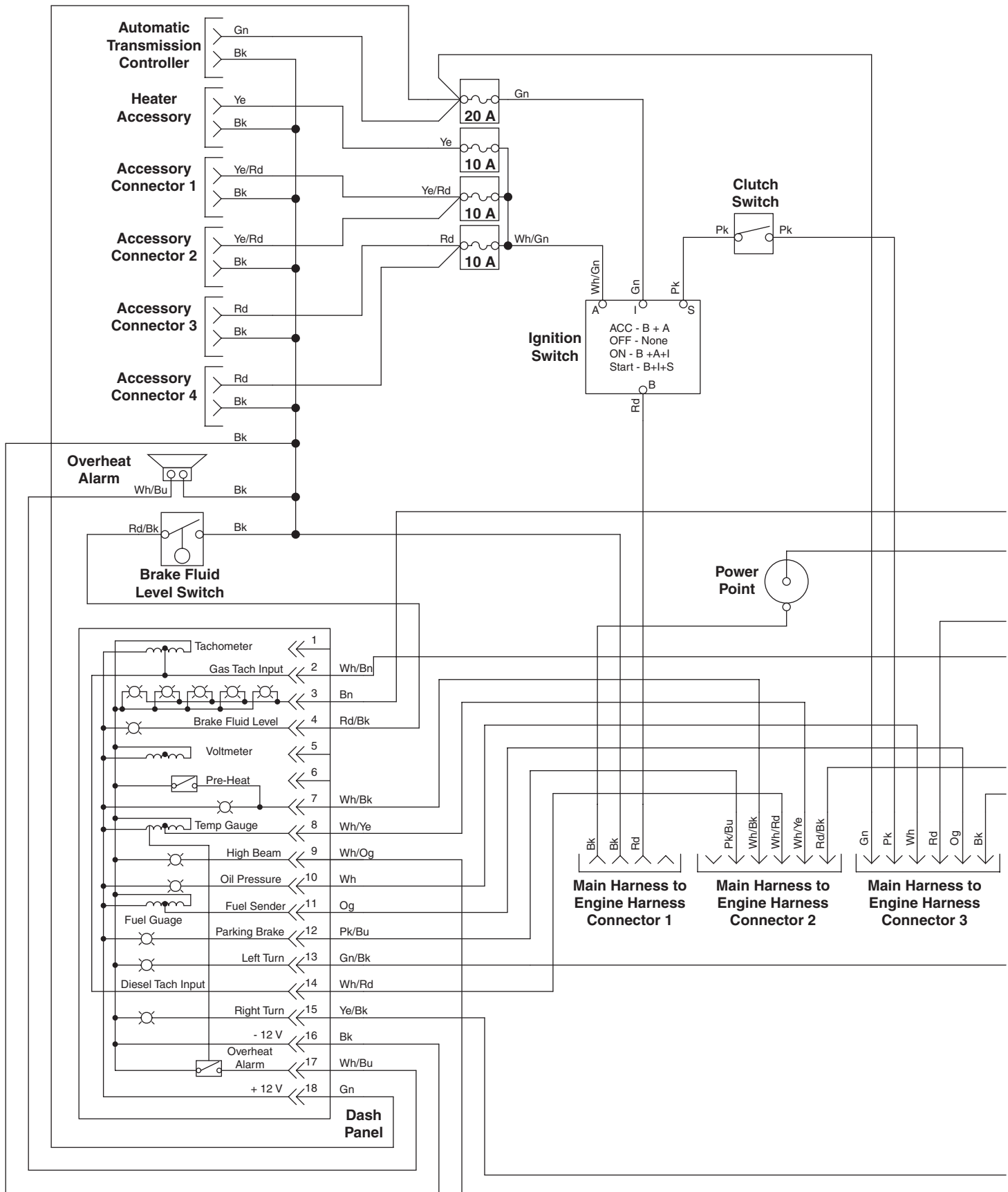
TURF TRUCKSTER

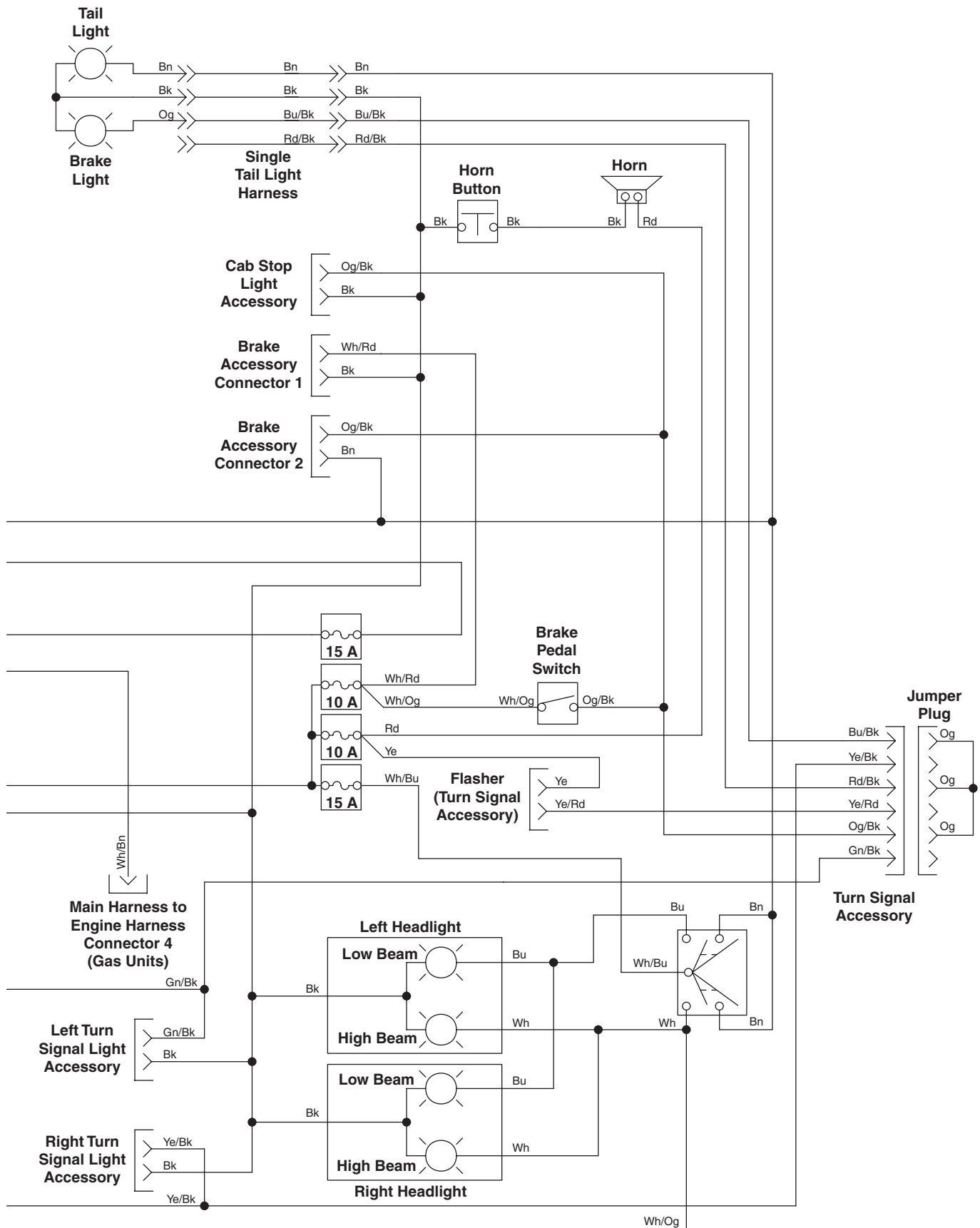
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	25411-85201	1	Shaft, Low Speed Fork	1st and 2nd Gear
2	25420-85201	1	Shaft, High Speed Fork	3rd and 4th Gear
3	25451-85261	1	Shaft, Reverse Fork	Reverse
4	06111-12004	5	Ball	
5	25415-83000	3	Spring, Detent	
6	09261-03017	1	Roller	
7	25211-85201	1	Fork, Low Gear Shift	1st and 2nd Gear
8	25221-85202	1	Fork, High Gear Shift	3rd and 4th Gear
9	25221-83002	1	Fork, Reverse Gear Shift	Reverse
10	09205-05012	3	Pin, 4 x 25 mm Spring	
11	09250-10006	1	Plug, Locating	
12	25121-85051	1	Case, Gear Shift Lever	
13	25520-85203	1	Shaft. Gear Shift Lever	
14	09284-17004	1	Seal, Oil	
15	25576-70D00	1	Spring	
16	09160-17035	1	Washer, 17 x 32 x 1.2 mm	
17	25541-85201	1	Lever, Gear Select	
18	25545-85055	1	Dog, Reverse Shift Limit	
19	25546-60C01	1	Spring	
20	09128-10002	1	Bolt, M10 x 9 mm Retaining	
21	09168-10007	1	Gasket	
22	25547-70D00	1	Spring	
23	09135-08005	1	Ball	
24	2701953	1	Pin	
25	25530-79501	1	Shaft, Gear Select	
26	09286-09001	1	Seal, Oil	
27	25535-85412	1	Arm, Gear Select	
28	09162-08008	1	Washer	
29	2702883	1	Washer	
30	2702494	1	Nut, M8-1.25 Hex	
31	25536-84200	1	Boot, Gear Select	
32	09135-08005	1	Bolt, Retaining	
33	24821-09001	1	Plug, Breather	

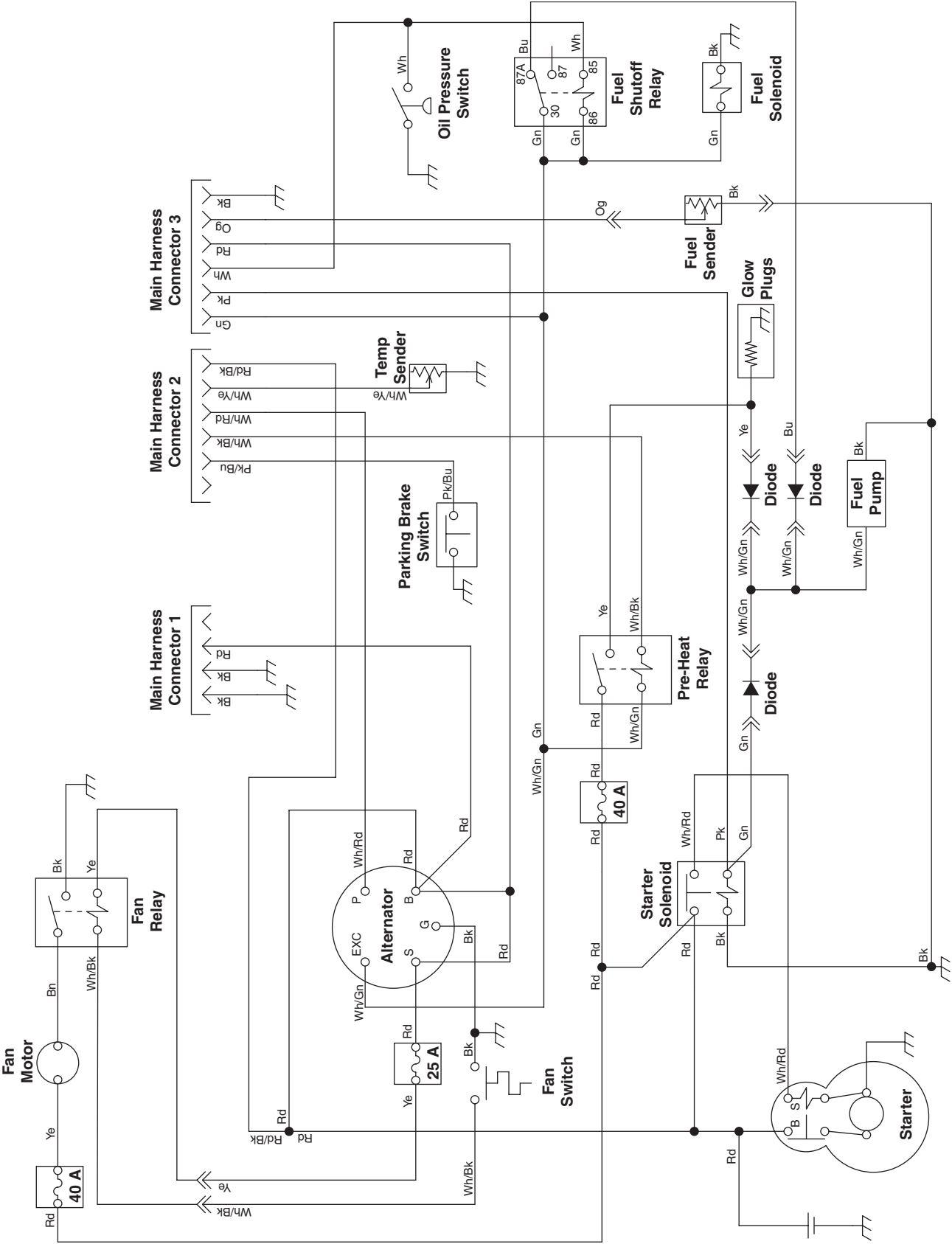
> Change from previous revision

48.1 Diesel Engine Electrical Schematic

Serial No. 84043 All
Serial No. 84044 All



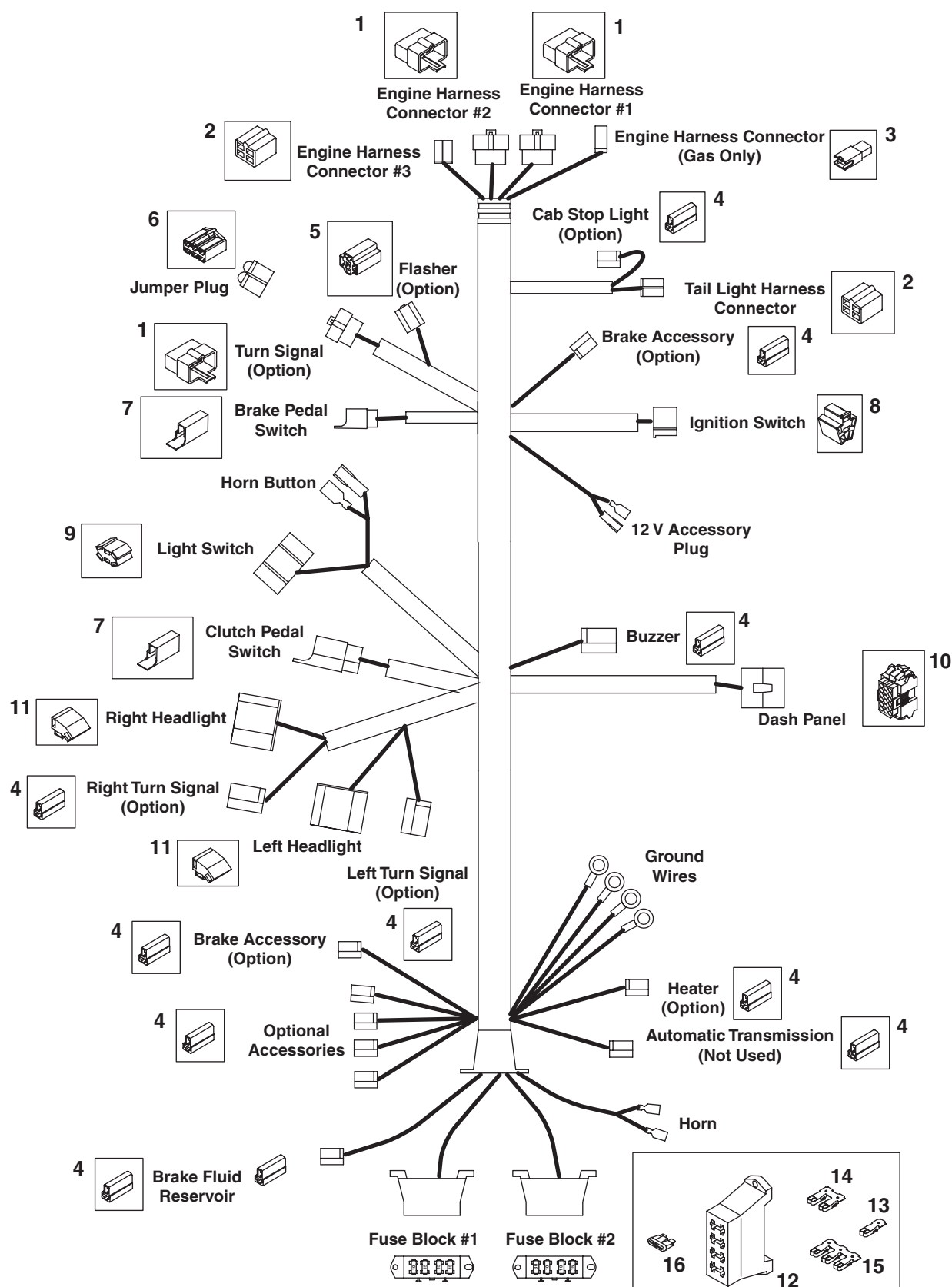




49.1 Diesel Engine Main Harness

Part Number 894266

Serial No. All



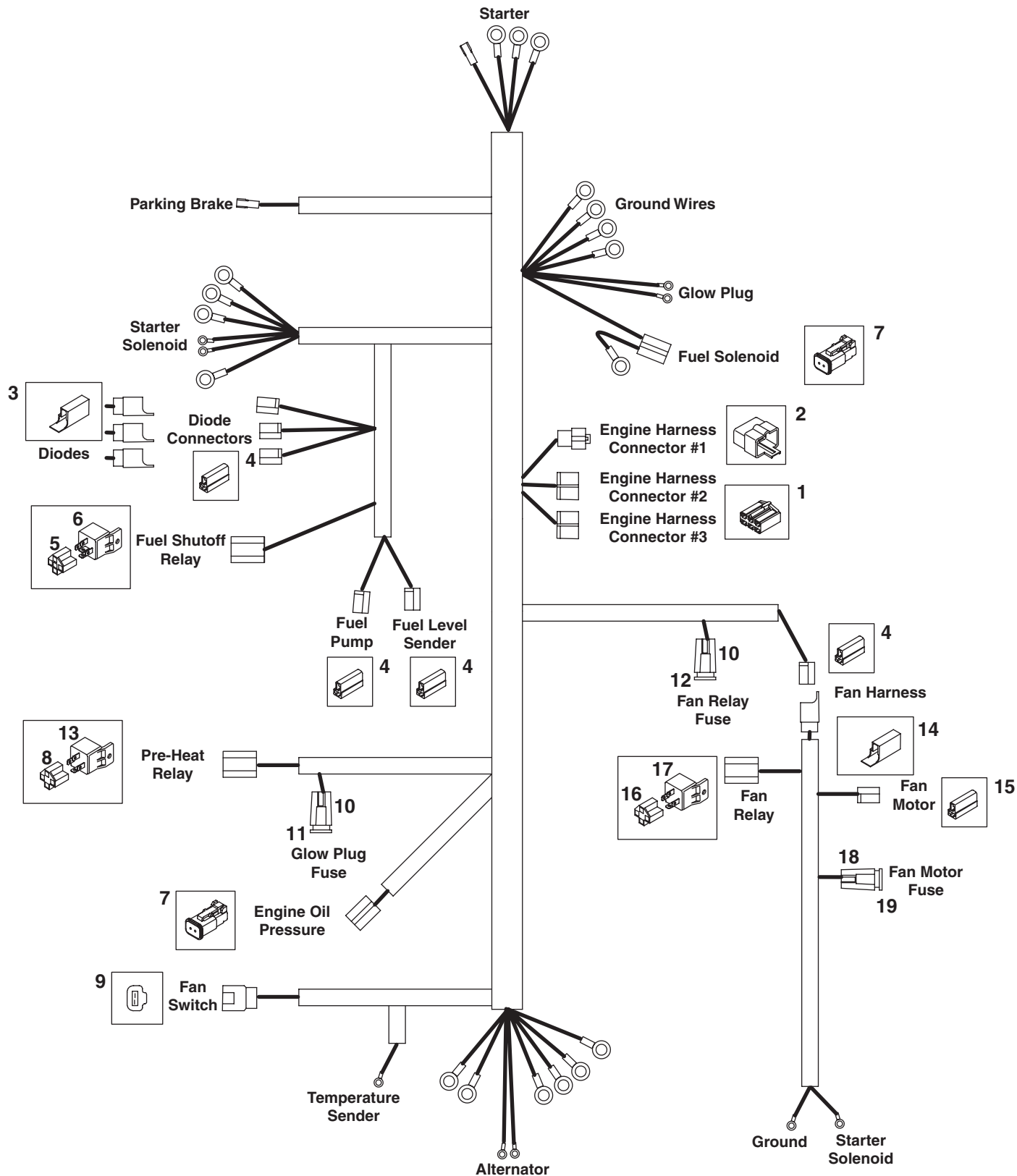
Item	Part No.	Qty.	Description	Serial Number / Notes
1	825973	3	Connector, Six Male Terminal	
	825886	AR	Terminal, 1/4" Male 14-16 Gauge	Single Wire
	825961	AR	Terminal, 1/4" Male 10 Gauge	Two Wire
2	829630	2	Connector, Four Female Terminal	
	825748	AR	Terminal, 1/4" Female 14-16 Gauge	Single Wire
	825878	AR	Terminal, 1/4" Female 10 Gauge	Two Wire
3	826726	1	Connector, One Female Terminal	
	825886	AR	Terminal, 1/4" Male 14-16 Gauge	
4	826005	13	Connector, Two Female Terminal	
	825748	AR	Terminal, 1/4" Female 14-16 Gauge	Single Wire
	825878	AR	Terminal, 1/4" Female 10 Gauge	Two Wire
5	825894	1	Connector, Flasher	
	825899	AR	Terminal, 5/16" Female 14-16 Gauge	
6	825877	1	Connector, Six Female Terminal	
	825748	AR	Terminal, 1/4" Female 14-16 Gauge	Single Wire
	825878	AR	Terminal, 1/4" Female 10 Gauge	Two Wire
7	826006	2	Connector, Two Male Terminal	
	825886	AR	Terminal, 1/4" Male 14-16 Gauge	
8	837296	1	Connector, Ignition Switch	
	825748	AR	Terminal, 1/4" Female 14-16 Gauge	Single Wire
	825878	AR	Terminal, 1/4" Female 10 Gauge	Two Wire
9	843598	1	Connector, Rocker Switch	
	825748	AR	Terminal, 1/4" Female 14-16 Gauge	Single Wire
	825878	AR	Terminal, 1/4" Female 10 Gauge	Two Wire
10	843550	1	Connector, Eighteen Terminal	
	843551	AR	Terminal	
11	837301	2	Connector, Headlight	
	825899	AR	Terminal, 5/16" Female 14-16 Gauge	One Wire
	828629	AR	Terminal, 5/16" Female 14-16 Gauge	Two Wire
12	825996	1	Fuse Holder	
13	825997	4	Fuse Clip, 1 Term., 14-16 Gauge	
14	825998	6	Fuse Clip, 1 Term, 10 Gauge	
15	825999	2	Fuse Clip, 3 Term. 14-16 Gauge	
16	836892	5	Fuse, 10 Amp	
16	842983	2	Fuse, 15 Amp	
16	826000	1	Fuse, 20 Amp	

> Change from previous revision

50.1 Diesel Engine and Fan Harness

Part Numbers 601572 & 601586

Serial No. All

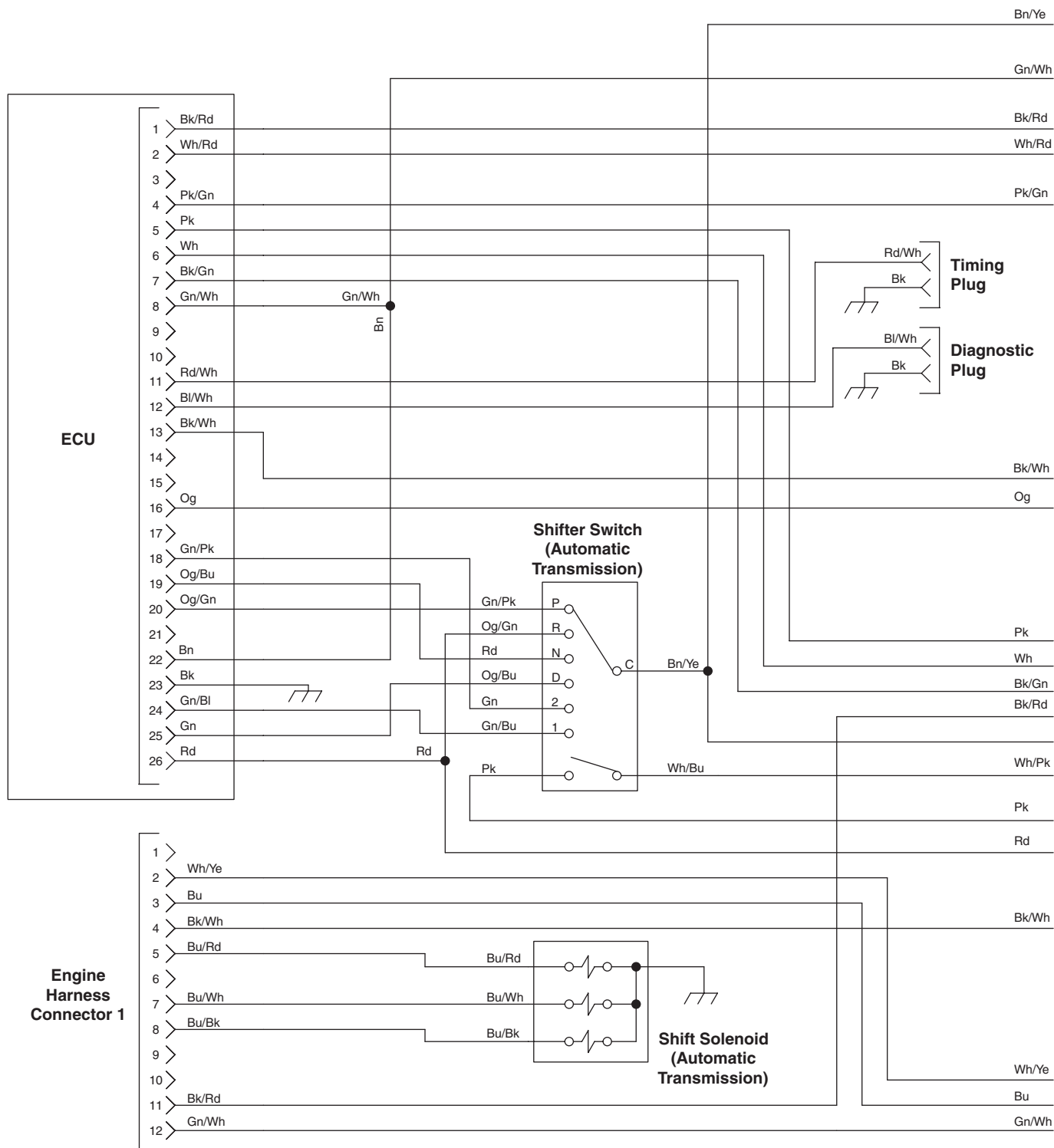


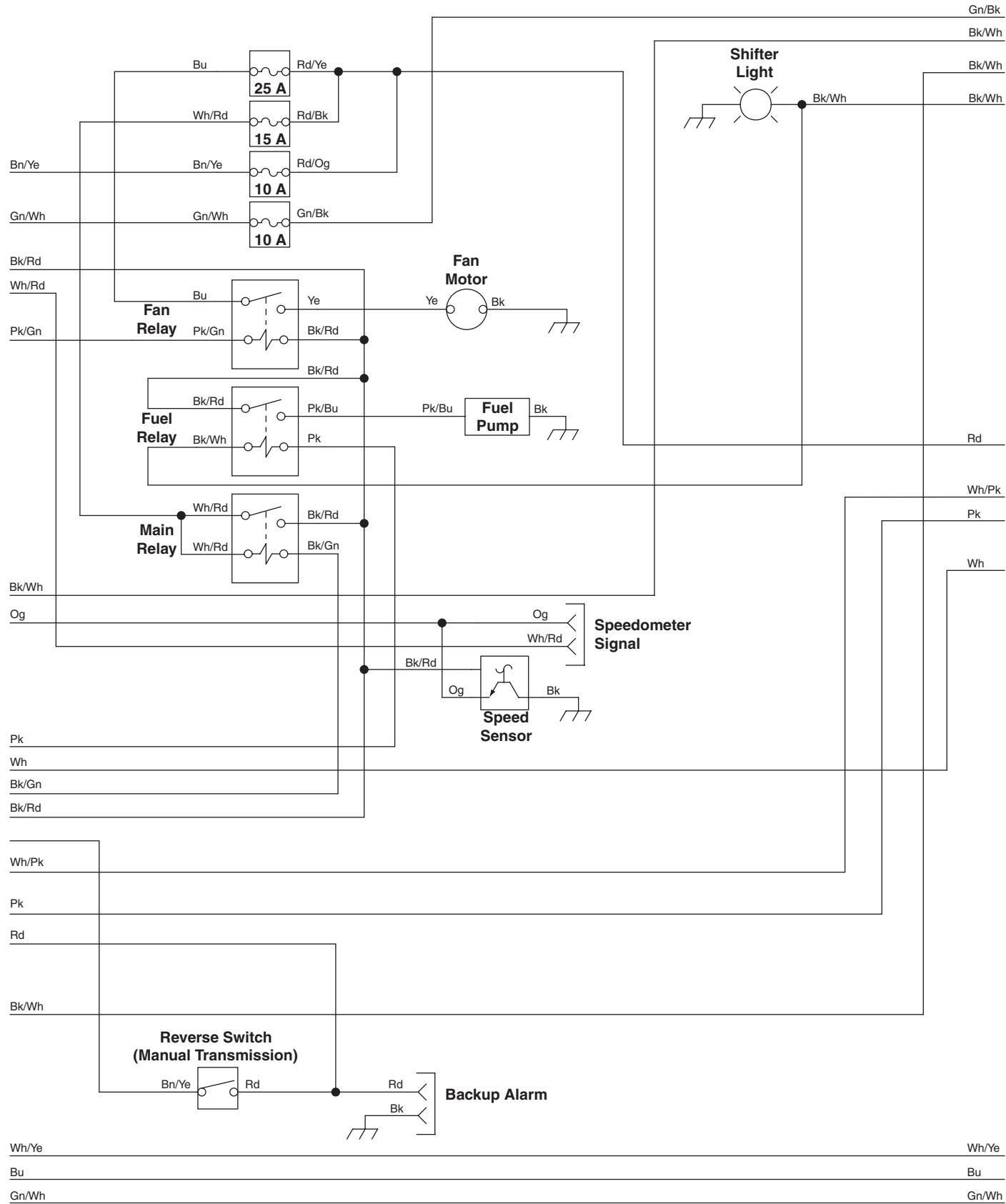
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	601572	1	Engine Harness	Single Wire
	825877	2	• Connector, Six Female Terminal	
	825748	AR	• Terminal, 1/4" Fem. 14-16 Gauge	
2	825878	AR	• Terminal, 1/4" Fem. 10 Gauge	Two Wire
	829630	1	• Connector, Four Male Terminal	Two Wire
	825961	AR	• Terminal, 1/4" Male 10 Gauge	
3	884398	3	• Diode Connector Assembly	
4	826005	6	• Connector, Two Female Terminal	Single Wire
	825748	AR	• Terminal, 1/4" Fem. 14-16 Gauge	
	825878	AR	• Terminal, 1/4" Fem. 10 Gauge	
5	843168	1	• Connector, Relay	Two Wire
	842966	AR	• Terminal, Female Relay	
	843167	1	• Relay, 12V 15 Amp DPST	
6	4129717	2	• Plug, 2 Wire Deutsch	
	4129730	AR	• Socket, 16-18 Gauge Solid	
	4129733	AR	• Wedge, 2 Wire Deutsch	
7	4129747	AR	• Gasket, 2 Wire Deutsch	
	2700868	1	• Connector, 70 Amp Relay	
	842966	AR	• Terminal, Female Relay	
8	2700869	AR	• Terminal, 3/8" Female Relay	
	842959	1	• Connector, 2 Contact	
	833257	2	• Terminal, 3/32" Female	
9	838463	2	• Seal, Wire	
	826584	2	• Block, Single Fuse	
	825997	AR	• Fuse Clip, 1 Term., 14-16 Gauge	
10	825998	AR	• Fuse Clip, 1 Term, 10 Gauge	
	836536	1	• Fuse, 40 Amp	
	4113261	1	• Fuse, 25 Amp	
11	2700867	1	Relay, 12V, 70 Amp SPST	
12	601586	1	Fan Harness	
	826006	1	• Connector, Two Male Terminal	
	825886	AR	• Terminal, 1/4" Male 14-16 Gauge	
13	826005	1	• Connector, Two Female Terminal	
	825748	AR	• Terminal, 1/4" Fem. 14-16 Gauge	
	2700868	1	• Connector, 70 Amp Relay	
14	842966	AR	• Terminal, Female Relay	
	N/S	AR	• Terminal, 3/8" Female Relay	
	2700867	1	• Relay, 12V, 70 Amp SPST	
15	826584	2	• Block, Single Fuse	
	825997	AR	• Fuse Clip, 1 Term., 14-16 Gauge	
	836536	1	• Fuse, 40 Amp	

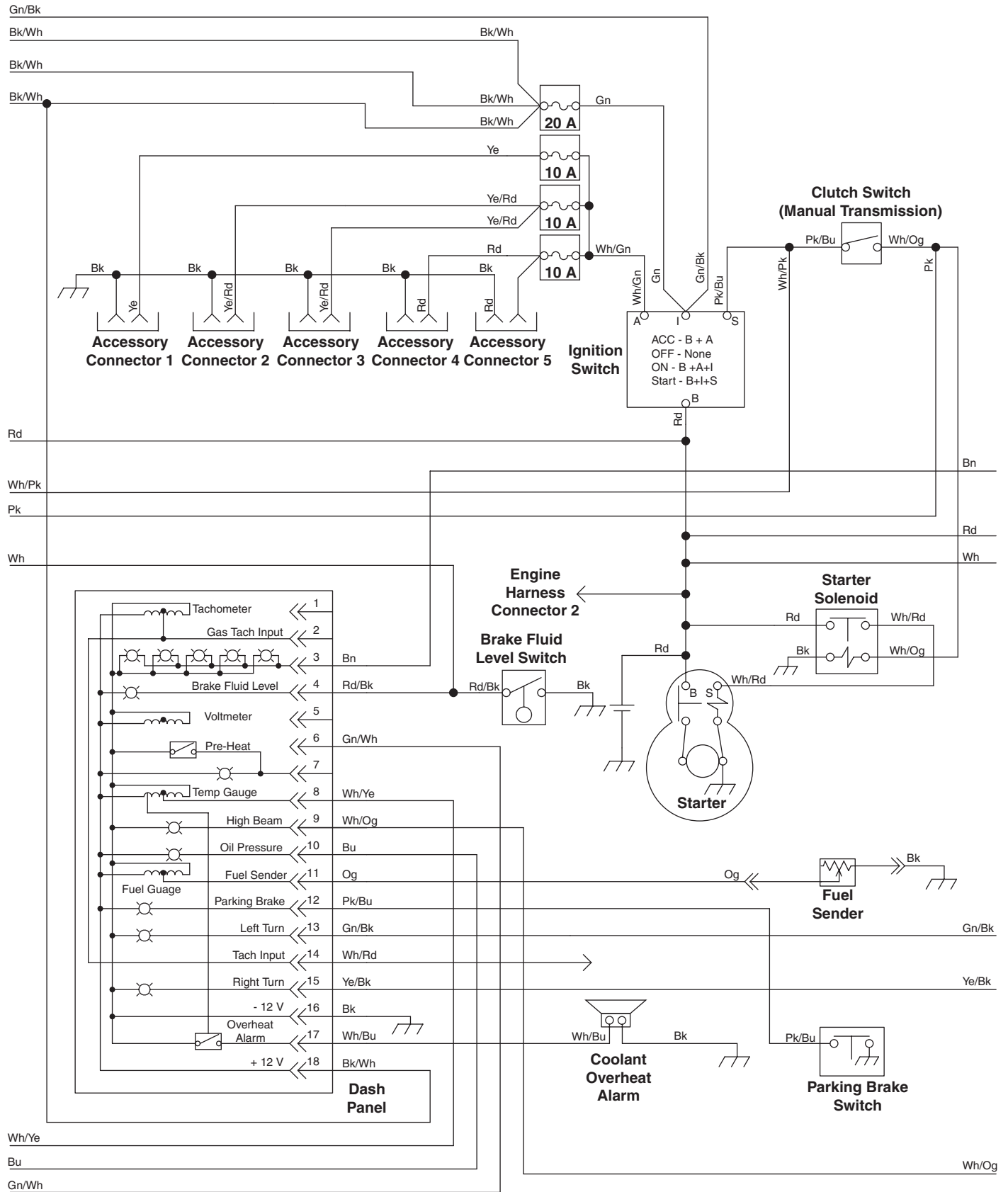
> Change from previous revision

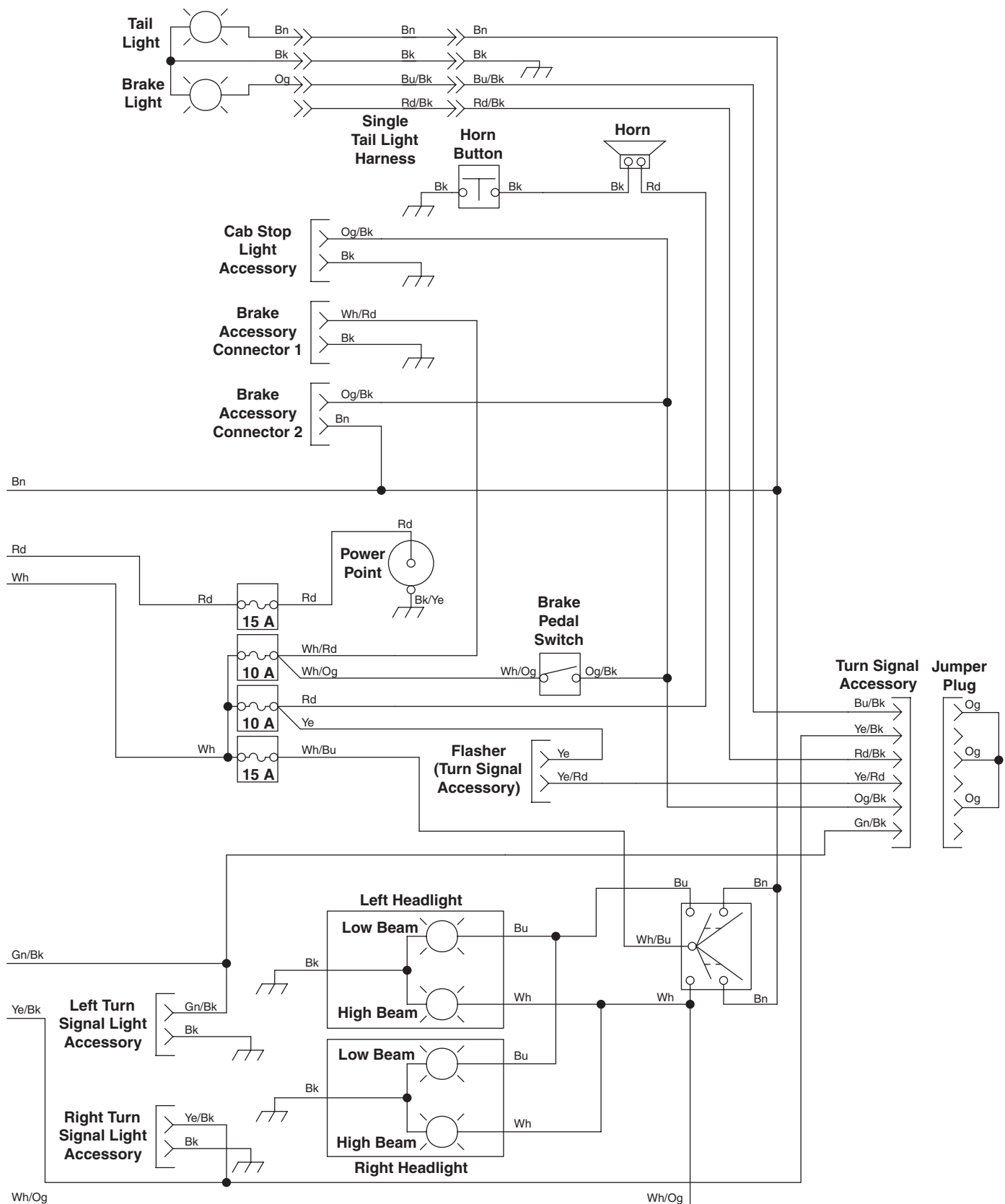
51.1 Gas Engine Electrical Schematic

Serial No. 898627 All
Serial No. 898628 All
Serial No. 84054 All

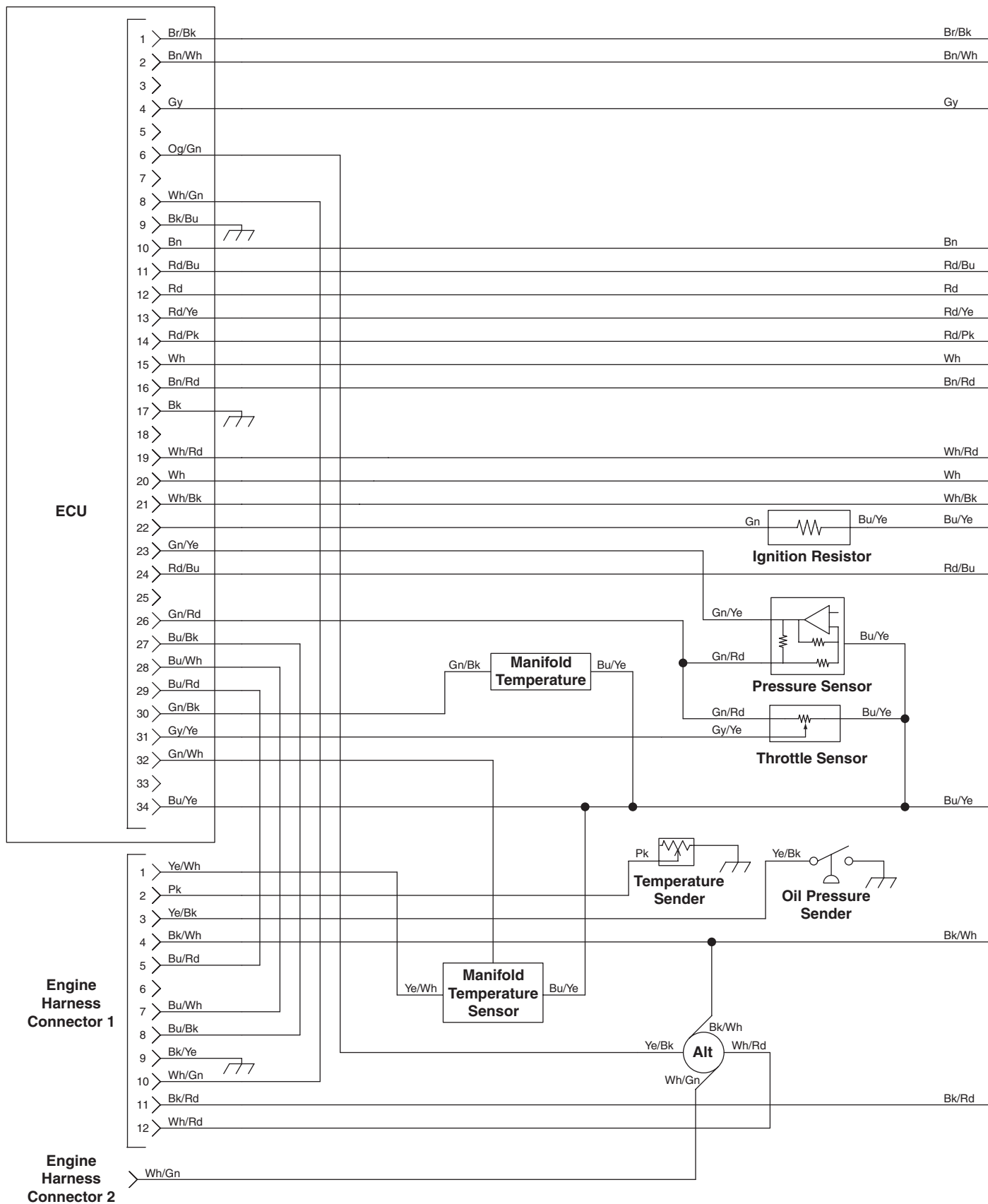








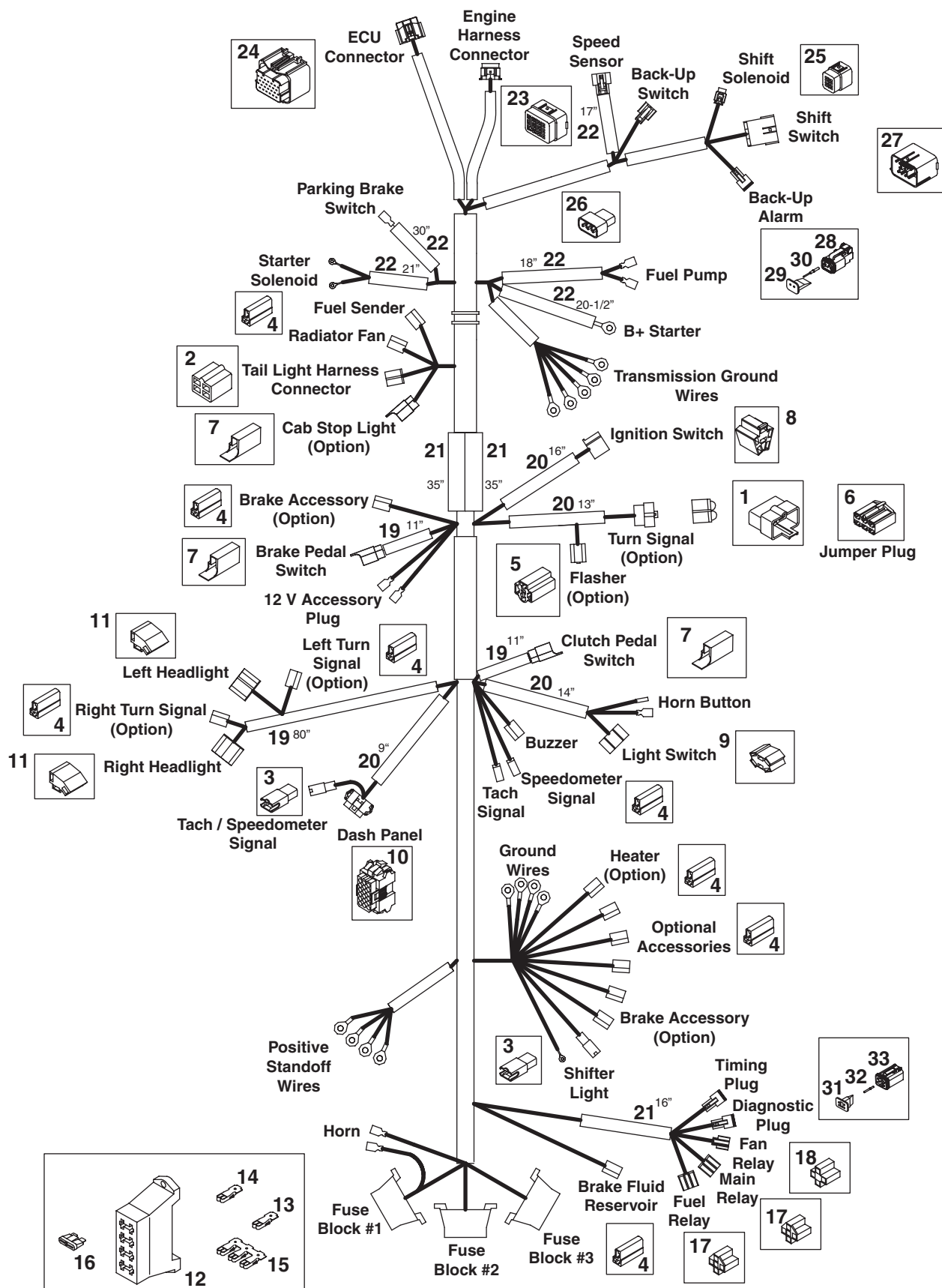
52.1 Gas Engine Schematic



53.1 Gas Main Harness

Part Number 4115709

Serial No. All



Item	Part No.	Qty.	Description	Serial Number / Notes
1	825973	1	Connector, Six Male Terminal	
	825886	AR	Terminal, 1/4" Male 14-16 Gauge	Single Wire
	825961	AR	Terminal, 1/4" Male 10 Gauge	Two Wire
2	829631	1	Connector, Four Female Terminal	
	825748	AR	Terminal, 1/4" Female 14-16 Gauge	Single Wire
	825878	AR	Terminal, 1/4" Female 10 Gauge	Two Wire
3	826726	2	Connector, One Female Terminal	
	825886	AR	Terminal, 1/4" Male 14-16 Gauge	
4	826005	12	Connector, Two Female Terminal	
	825748	AR	Terminal, 1/4" Female 14-16 Gauge	Single Wire
	825878	AR	Terminal, 1/4" Female 10 Gauge	Two Wire
5	825894	1	Connector, Flasher	
	825889	AR	Terminal, 5/16" Female 14-16 Gauge	
6	2700913	1	Jumper Plug, Taillight	
	825877	1	• Connector, Six Female Terminal	
	825748	AR	• Terminal, 1/4" Female 14 Gauge	Single Wire
	825878	AR	• Terminal, 1/4" Female 10 Gauge	Two Wire
7	826006	3	Connector, Two Male Terminal	
	825886	AR	Terminal, 1/4" Male 14-16 Gauge	
8	837296	1	Connector, Ignition Switch	
	825748	AR	Terminal, 1/4" Female 14-16 Gauge	Single Wire
	825878	AR	Terminal, 1/4" Female 10 Gauge	Two Wire
9	843598	1	Connector, Rocker Switch	
	825748	AR	Terminal, 1/4" Female 14-16 Gauge	Single Wire
	825878	AR	Terminal, 1/4" Female 10 Gauge	Two Wire
10	843550	1	Connector, Eighteen Terminal	
	843551	AR	Terminal	
11	837301	2	Connector, Headlight	
	825889	AR	Terminal, 5/16" Female 14-16 Gauge	One Wire
	828629	AR	Terminal, 5/16" Female 14-16 Gauge	Two Wire
12	825996	3	Fuse Holder	
13	825997	12	Fuse Clip, 1 Term., 14-16 Gauge	
14	825998	6	Fuse Clip, 1 Term, 10 Gauge	
15	825999	2	Fuse Clip, 3 Term. 14-16 Gauge	
16	836892	7	Fuse, 10 Amp	
16	842983	3	Fuse, 15 Amp	
16	826000	1	Fuse, 20 Amp	
16	4113261	1	Fuse, 25 Amp	
17	843168	2	Connector, 15 Amp Relay	
	842966	8	Terminal, Female Relay	
	2700868	1	Connector, 70 Amp Relay	
18	842966	2	Terminal, 1/4" Female Relay	
	2700869	2	Terminal, 3/8" Female Relay	
19	826190	AR	Tubing, 3/8" I.D. Black Convolute	50 Foot Bulk
20	826191	AR	Tubing, 1/2" I.D. Black Convolute	25 Foot Bulk

Part Number 4115709



Item	Part No.	Qty.	Description	Serial Number / Notes
21	826192	AR	Tubing, 3/4" I.D. Black Convolute	25 Foot Bulk
22	826193	AR	Tubing, 7/16" I.D. Green Convolute	25 Foot Bulk
23	4116015	1	Connector, 12 Contact Male	
	833257	8	Terminal, Female	
	838463	8	Seal, Wire	
	2700933	4	Plug, Cavity	
24	845329	1	Connector, 26 Contact Male	
	2700852	1	Lock, 26 Contact	
	2700470	19	Terminal, Female	
	2700851	19	Seal, Wire	
	4118039	7	Plug, ECU Connector	
25	845330	1	Connector, 4 Contact Male	
	833257	4	Terminal, Female	
	838463	4	Seal, Wire	
26	845327	1	Connector, 3 Contact Female	
	2700380	3	Terminal	
	2700381	3	Seal, Wire	
27	845328	1	Connector, 9 Contact Female	
	2700385	2	Terminal	
	2700387	2	Seal, Wire	
	2700384	7	Terminal	
	2700386	7	Seal, Wire	
28	839917	1	Plug, 2 Wire Deutsch	
29	839921	1	Lock, 2 Wire Deutsch	
30	524358	2	Terminal, 18-20 AWG Male Pin	
31	838768	2	Lock, 4 Wire Deutsch	
32	838769	4	Terminal, 18-20 AWG Socket	
33	838770	2	Plug, 4 Wire Deutsch	

INDEX

00414-G5.....91	111816.....91	24821-09001.....125	2700933.....143
009034880.....73, 75	111817.....91	25121-85051.....125	2700993-G01.....107
01116-G01.....89	111838.....71	25211-85201.....125	2701107.7.....99
01117-G01.....77	111893.....89	25221-83002.....125	2701129.....89
01117-G02.....77	111898.....45, 86, 91	25221-85202.....125	2701174.....63
01421-08303.....121	112050.....39, 109	25411-85201.....125	2701273.....55
01550-08163.....77	112840.....91	25415-83000.....125	2701274.....55
01550-08353.....53, 121	11311-67H00.....79	25420-85201.....125	2701328.....55
01550-08553.....119	11311-67H20.....81	25451-85261.....125	2701371.....55
06111-06003.....123	11391G4.....97	25520-85203.....125	2701408.....113
06111-12004.....125	11391G7.....73, 77	25530-79501.....125	2701430.....77
08310-00103.....77	11710-77100.....77	25535-85412.....125	2701465.....105, 107
09103-08131.....121	11741-85200.....77, 119	25536-84200.....125	2701502.....107
09103-08132.....77, 121	12005245, 86, 91, 95, 97,	25541-85201.....125	2701510.....89
09103-08152.....121	.....107	25545-85055.....125	2701513.....75
09111-08035.....83	120166.....83	25546-60C01.....125	2701639.....75
09128-06032.....121	120177.....77, 83	25547-70D00.....125	2701693.7.....61
09128-10002.....125	130306380.....95	25576-70D00.....125	2701697.7.....61
09135-08005.....125	130728.....86, 89, 91	26121-85202.....123	2701737.7.....51
09160-17035.....125	132520.....107	26131-85201.....121	2701850.7.....45
09162-08008.....125	148231.....95, 97	2700143.....93	2701897.....97
09166-16014.....121	160410.....91	2700144.....93	2701898.....97
09166-30007.....123	17680-50F70.....73	2700145.....93	2701899.....97
09168-10007.....125	18292G1.....97	2700166.....97	2701953.....125
09205-03019.....119	185086321.....83	2700334.....89	2702012.....45
09205-05012.....125	2208175.....95	2700335.....89	2702014.....45
09250-10006.....125	22100-85200.....83	2700380.....143	2702146.....111
09261-03017.....125	2218140-01.....63	2700381.....143	2702198.....39
09261-06003.....121	22400-85141.....83	2700384.....143	2702199.....41
09262-28019.....121	23260-85203.....119	2700385.....143	2702215.....51
09262-28020.....121	23265-85200.....119	2700386.....143	2702217.....69
09262-30086.....123	23266-85002.....53	2700387.....143	2702244.....49, 89
09263-30031.....123	24110-80410.....123	2700453.....71	2702247.....69
09263-35015.....123	24121-85252.....123	2700470.....143	2702257.7.....69
09280-11002.....119	24131-83002.....121	2700493.....115	2702470.....79, 81, 121
09280-19001.....121	24211-83011.....123	2700496.....55, 56	2702471.....121
09280-21014.....121	24220-60A01.....123	2700514.....113	2702475.....119
09282-08001.....121	24230-83001.....123	2700515.....113	2702494.....125
09283-25088.....121	24400-83000.....123	2700522.....89	2702534.7.....113
09284-17004.....125	24410-83000.....123	2700525.....91	2702535.7.....113
09286-09001.....125	24420-83000.....123	2700530.....113	2702547.....79
09300-14017.....119	24431-83001.....123	2700531.....113	2702548.....79
09300-30003.....123	24432-83001.....123	2700540.....89	2702559.....123
09380-28007.....121, 123	24436-83000.....123	2700573.....71	2702561.....123
09390-62010.....121	24441-85F41.....123	2700792.....39	2702586.....121
09390-68002.....121	24442-81A20.....123	2700796.....47	2702659.....119, 121
09448-20007.....119	24471-60A00.....123	2700797.....47	2702662.....121
10386747, 51, 55, 56, 77,	24473-70D10.....123	2700800.....99	2702684.....119
.....83, 86, 87, 89,	24551-83010.....121	2700801.....99	2702686.....79, 81
93, 95, 97, 111,	24560-83001.....121	2700851.....143	2702687.....79
115	24671-83000.....121	2700852.....143	2702688.....79, 81
111074.....111, 115	24681-83000.....123	2700859.....89	2702689.....79, 81
111758.....111	24700-85200.....121	2700867.....73, 107, 133	2702690.....79, 81, 121
111812.....91	24741-83001.....121	2700868.....133, 141	2702695.....55
111813.....91	24770-85252.....121	2700869.....133, 141	2702701.....81
111814.....91	24780-83010.....121	2700913.....141	2702702.....81

INDEX

2702756.....	81	306463.....	39, 47	4115904.....	97	450410.....	39, 51
2702883.....	125	306488.....	39, 105, 107	4116015.....	143	450412.....	77
2702893.....	79	306506.....	91	4116017.....	107	45045241, 45, 49, 61, 73,	
2702906.....	81	306514.....	91	4116018.....	107	75, 97, 101, 103,	
2702996.....	55	306531.....	45	4116159.....	89	107	
2703002.....	53, 121	306560.....	101	4116284.8.....	93	45045341, 43, 47, 49, 51,	
2703081.....	69	306562.....	77, 83	4116941.....	107	.... 53, 59, 61, 71,	
2703158.....	39	306799.....	71	4116997.....	75	73, ... 75, 77, 79,	
2703257.7.....	45	306825.....	67	4117153.7.....	59	81, ... 83, 95, 97,	
2703281.....	73	306829.....	111	4117352.....	89	99, .....105, 107	
2703294.7.....	61	306835.....	83	4117681.....	91	45045441, 47, 49, 51, 55,	
2703309.....	113	306836.....	77	4117900.....	79	.... 59, 61, 73, 79,	
2703481.....	113	306839.....	65	4118027.....	79, 81	81, .....89	
2703581.....	123	306915.....	91	4118039.....	143	450455.....	43, 61, 67
2703683.....	86	306932.....	107	4118422.....	79, 81	450457.....	71
2703684.....	89	306981.....	77, 83, 89	4118423.....	79, 81	450510.....	53
2703707.....	55	306982.....	111	4119526.....	89	450541 39, 41, 43, 73, 75	
2703800.8.....	87	307776.....	115	4119634.....	53	450544.....	107
2703835.8.....	77	308008.....	67	4119678.....	91	450739.....	71
2703931.7.....	55	308089.....	47	4119866.8.....	87	45237845, 49, 61, 69, 73,	
2703951.....	55	30809041, 55, 73, 75, 89,		4119955.....	81	. 75, 97, 103, 107	
2703953.....	55	..... 91, 99		4120076.....	75	452381.....	89, 101
2703956.7.....	55	308091.....	55	4120079.....	75	45238841, 49, 51, 53, 73,	
2703964.7.....	55	309067.....	61, 97	4120096.....	81	.... 75, 77, 83, 99,	
28391-85202.....	121	309488.....	41	4120097.....	81	105, .....107	
28825-G01.....	75, 77	311213.....	83	4120098.....	81	45238961, 77, 79, 81, 87,	
29165G01.....	45	311392.....	67	4121517.8.....	93	.....99	
29431-85400.....	121	311396.....	63	4121525.8.....	93	452390.....	77, 83, 95
300646.....	73, 75, 99	311398.....	63	4129717.....	133	452391.....	49
300977.....	55	311763.....	55	4129730.....	133	452393.....	95
302030.....	56	312288.....	59	4129733.....	133	452394.....	83
302288.....	89, 91	314990013.....	87	4129747.....	133	452395.....	73, 75, 83
302944.....	67	316907.....	47	4138668.....	81	452396.....	47
303269.....	67	320107..49, 71, 101, 103		4138963.....	79	45239841, 49, 51, 59, 61,	
303952.....	39	36072-G01.....	93	4139196.....	73	..... 69, 73, 75	
304632.....	47	36085G01.....	41	4139691.....	39	452399.....	59, 99
304636.....	67, 69, 113	36091-G01.....	43	4139806G01.....	59	452401.....	55, 77
305134.....	67	36092-G01.....	73, 75	4139806G02.....	59	452402.....	61
306320.....	89	36097-G01.....	43	4139806G03.....	59	452403.....	61
306322.....	111, 115	36106G01.....	65	4139924.....	61	452404.....	47
306325.....	77, 83, 89, 93,	36116G01.....	79, 81	4140269.....	43	452405.....	61, 79, 81
105, 107		37610-80023.....	119	4140617.....	79, 81	452406.....	61, 73
30632841, 45, 47, 49, 51,		38061A.....	39	4140618.....	79, 81	452408.....	67
..... 53		385174.....	69	4140994.....	107	452410.....	61
306372.....	89	38541.....	39	4140995.....	107	452411.....	43
306375.....	47, 56, 89, 91	4113018.....	97	4141037.....	123	452413.....	67
306388.....	47	4113019.....	97	450010.....	89	452415.....	59
30639647, 55, 56, 73, 75,		4113261.....	133, 141	450077.....	65	452424.....	51, 53
..... 89, 91, 93		4114221.8.....	93	450193.....	87, 93	452692.....	55, 69
306397.....	55	4114867.....	91	450324.....	105, 107	452695.....	45, 55
306405.....	113	4115000.....	91	450377.....	49, 53	460030.....	65
306416.....	83	4115029.7.....	75	450378.....	87, 93	471221.....	65
306419..39, 93, 105, 107		4115033.....	75	450382.....	65	48310.....	95, 97
306423.....	115	4115258.....	89	450393.....	65	515268.....	45
306435.....	115	4115400.....	75	450399.....	89	517226.....	111
306450.....	93	4115709.....	107	450400.....	39	521144.....	47

INDEX

523085.....	41	800177.....	59, 73, 75	812009.....	117	826193.....	143
523768.....	101	800198.....	63	812325.....	117	826284.....	63
524358.....	143	800221.....	95, 97	812444.....	86	826285.....	63
524633.....	45	800227.....	91	812445.....	51	826558.....	47, 103
524643.....	45	800263.....	41	813850.....	63, 67	826584.....	133
548061.....	63	800271.....	45, 86	814079.....	47	826590.....	57, 95, 97
548079.....	65	800279.....	99	814474.....	69	826726.....	131, 141
548159.....	39	800294.....	63	814476.....	111	827182.....	49
548171.....	47	800344.....	39	815403.....	69	827486.....	99
548175..	39, 55, 105, 107	800446.....	49	815680.....	93	827821.....	45
548201.....	117	800485.....	67	816307.....	55	828049.....	45
548204.....	115	800558.....	91	816401.....	41	828056.....	47
548222.....	119	800559.....	117	816586.....	67	828057.....	47
548224.....	65	800571.....	77	817104.....	45, 91	828231.....	105, 107
548325.....	91	800582.....	45, 55, 56	817250.....	69	828382.....	39
548482.....	63	800602.....	63	817320.....	103	828590.....	71
548804.....	83	800695.....	117	817928.....	69	828629.....	131, 141
548827.....	99	800717.....	111	818395.....	89	829044.....	63
548849.....	77	800718.....	111	819923.....	71	829099.....	59
548910.....	59	800737.....	117	820889.....	73, 75	829630.....	131, 133
548911.....	45, 59	800743.....	113	821164.....	55, 56, 86, 89	829631.....	141
548937.....	115	800789.....	57	821893.....	57, 83, 99, 103	829787.....	95, 97
548952.....	117	800861.....	65	822049.....	59	829800.....	99
6.....	141	800875.....	97	822419.....	47	829954.....	95, 97
600981.....	83	800908.....	69, 113	822819.....	47	829997.....	95, 97
600985.....	77	800909.....	59, 63	823118.....	47	830140.....	89
600989.....	77	800927.....	89	823119.....	103	830366.....	45
600991.....	73	80093039, 43, 47, 51, 59,		823225.....	47	830425.....	95, 97
600992.....	73	..... 71, 97, 99		823549.....	39, 71	830784.....	41, 45
600993.....	83	800934.....	39, 51, 107	823621.....	63	830810.....	103
600997.....	83	800943.....	39, 45, 51, 71,	825264.....	57, 97	830930.....	51, 71
601572.....	73	107		825358.....	79, 81	831039.....	95, 97
601585.....	73	800944.....	113	825500.....	63	831099.....	115
601586.....	73, 133	800945.....	65	825538.....	47	831225.....	105, 107
601587.....	77	805387.....	113	825624.....	75, 95	831405.....	67
601591.....	73	806703.....	49, 89	825748.....	131, 133, 141	831586.....	89
601592.....	73	806714.....	45, 51, 53	825866.....	131, 133	831846.....	73, 75
601595.....	73	807332.....	63	825877.....	131, 133, 141	831888.....	86
601596.....	73	807366.....	115	825878.....	131, 133, 141	831889.....	86
601937.....	41	808060.....	71	825884.....	73	831890.....	86
601939.....	39	808088.....	69	825886.....	51, 131, 141	832033.....	79, 81
601940G05.....	39	809092.....	71	825889.....	141	832408.....	103
603102.....	91	809137.....	51, 69	825894.....	131, 141	832409.....	103
604174.....	55	809152.....	49	825899.....	131, 141	832414.....	101, 103
7040.....	51	809174.....	77	825961.....	131, 133, 141	832584.....	109
7301.....	97	809180.....	63	825973.....	131, 141	832798.....	47
7332.....	97	809231.....	57, 95	825996.....	131, 141	832900.....	103
74765G01.....	39	809254.....	117	825997.....	131, 133, 141	833056.....	91
74767G01.....	39	809265.....	103	825998.....	131, 133, 141	833101.....	91
74793G01.....	39	810152.....	51, 53	825999.....	131, 141	833102.....	91
800021.....	95, 97	810435.....	51, 115	826000.....	131, 141	833103.....	91
800024.....	89, 91	810437.....	69, 115	826005.....	131, 133, 141	833104.....	91
800026.....	59	810722.....	89	826006.....	51, 131, 133, 141	833257.....	133, 143
800073.....	83	811992.....	117	826190.....	141	833273.....	53
800113.....	99	811993.....	117	826191.....	141	833345.....	91
800146.....	73	812006.....	117	826192.....	143	833433.....	75

INDEX

833440.....	73, 75	838440.....	83	841982.....	87, 93	843767.....	71
833442.....	75	838463.....	133, 143	842010.....	53	843768.....	71
833512.....	73, 75	838539.....	113	842030.....	41	843778.....	55
833953.....	95, 97	838768.....	143	842033.....	67	843792.....	55
834005.....	95, 97	838769.....	143	842051.....	51	843857.....	75, 77
834036.....	95	838770.....	143	842103.....	51	843862.....	73
835101.....	101, 103	839213.....	47	842104.....	69	843866.....	91
835271.....	86, 89, 91	839328.....	71	842359.....	117	843876.....	63
835805.....	73, 75	839752.....	83	842360.....	117	843942.....	107
836206.....	101	839862.....	71	842553.....	83	843997.....	45
836420.....	117	839917.....	143	842740.....	56	844019.....	103
836421.....	117	839921.....	143	842773.....	55	844051.....	47
836422.....	117	839948.....	111	842774.....	55	844087.....	117
836426.....	113	840222.....	71	842785.....	86	844116.....	45
836429.....	117	840352.....	77, 79, 81	842870G01.....	61	844130.....	86, 91
836431.....	115	840436.....	41	842915.....	77, 79, 81	844148.....	65
836443.....	111	840452.....	69	842935.....	51, 53	844167.....	107
836536.....	133	840473.....	86	842959.....	133	844177.....	47
836657.....	115	840508.....	39	842961.....	77	844179.....	47
836658.....	115	840725.....	51, 53	842966.....	133, 141	844198.....	77
836662.....	115	840726.....	51, 53	842983.....	131, 141	844202.....	53
836675.....	111	840754.....	73, 75	842996.....	83	844223.....	45
836676.....	111	840857.....	99	843013.....	89	844224.....	45
836677.....	111	840877.....	101, 103	843021.....	51	844228.....	119
836678.....	111	841167.....	65	843022.....	51	844268.....	83
836680.....	111	841230.....	75	843158.....	49	844270.....	83
836681.....	111	841255.....	67	843167.....	107, 133	844271.....	83
836682.....	111	841264.....	45	843168.....	133, 141	844272.....	83
836685.....	111	841336.....	67	843238.....	63	844274.....	86
836686.....	111	841404.....	67	843296.....	75	844293.....	39
836687.....	111	841428.....	39	843298.....	95, 97	844391.....	73
836688.....	111	841429.....	65	843323.....	77	844564.....	101
836689.....	111	841430.....	69, 113	843343.....	95, 97	844565.....	101
836690.....	111	841434.....	63	843355.....	47	844566.....	101
836691.....	111	841477G01.....	39	843356.....	49	844571.....	101
836692.....	111	841630.....	65	843359.....	49	844582.....	47
836693.....	111, 117	841637.....	39	843418.....	69	844583.....	101
836694.....	111, 113	841663.....	45	843537.....	91	844584.....	101, 103
836695.....	113	841715.....	39	843550.....	131, 141	844590.....	101
836841.....	115	841737.....	65	843551.....	131, 141	844598.....	103
836852.....	95, 97, 115	841738.....	65	843561.....	45	844600.....	101
836892.....	131, 141	841753.....	39	843562.....	45	844601.....	99
836959.....	115	841799.....	43	843563.....	45	844611.....	53
837020.....	117	841804.....	41	843568.....	61	844627.....	101
837043.....	49	841837.....	109	843581.....	45	844628.....	101
837198.....	117	841838.....	109	843598.....	131, 141	844630.....	101
837270.....	99	841839.....	69	843607.....	45	844647G01.....	61
837295.....	45	841841.....	69	843614.....	55	844652.....	101
837296.....	131, 141	841842.....	69, 109	843679.....	55	844729.....	99
837299.....	45	841844.....	109	843685.....	55	844813.....	113
837300.....	45	841885.....	77	843724.....	55	844937.....	101
837301.....	131, 141	841892.....	103	843726.....	95, 97	844951.....	117
837303.....	39	841895.....	105, 107	843754.....	121	844952.....	117
838154.....	95	841913.....	39	843758.....	47	844953.....	117
838295.8.....	87, 93	841966.....	83	843759.....	47	844956.....	117
838340.....	57	841969.....	95, 97	843760.....	83	844973.....	101

INDEX

844988.....	43	893235.7.....	61	894638.....	95
845034.....	117	893235G.....	61	894645.....	83
845038.....	41	893266.....	65	894675.....	99
845133.....	49	893322.....	41	894691.....	101
845134.....	49	893344.....	71	894696.....	47
845135.7.....	59	893375-G05.....	41	894701.....	101
845185.....	47	893388.....	75	894702.....	101
845206.7.....	61	893487.....	59	894886.....	117
845223.....	119	893488.....	59	894930.....	69, 113
845224.....	75	893491.....	109, 113	894931.....	69, 113
845231.....	41	893519.....	113	894932.....	69, 113
845232.....	41	893525.....	61	894933.....	69, 113
845234.....	41	893539.....	99	894934.....	69, 113
845327.....	143	893541.....	41	894935.....	69, 113
845328.....	143	893554.....	73, 75	894936.....	69, 113
845329.....	143	893555.....	95, 97	894998.7.....	61
845330.....	143	893571.....	71	895013.....	53
845345.7.....	56	893581.....	61, 113	895113.....	51
845356.....	113	893582.....	61, 113		
882993.....	103	893583.....	109		
883236.....	103	893585.....	69		
884398.....	133	893586.....	69		
884513.....	105, 107	893602.....	59		
884574.....	103	893613.....	63		
885249.....	101	893632.....	43		
886001.....	103	893633.....	83		
886270.....	47	893862.....	63		
886425.....	105, 107	893966.....	55		
886735.....	59, 63	894030.....	39		
887017.....	101	894159.....	45		
888042.....	101	894167.....	51		
888549.....	75	894179.....	55		
889049.....	75	894201.....	95, 97		
889050.....	73, 75	894232.....	59		
889106.....	49	894272.....	63		
889681.....	67	894308.....	51, 53		
889682.....	67	894313.....	59		
889780.....	115	894317.....	49		
889870.....	111	894348.....	73		
889925.....	115	894432.....	63		
890000.....	107	894433.....	63		
891089.....	117	894434.....	91		
891829.....	109, 111	894435.....	91		
892164.....	56	894456.....	51		
892228.....	71	894471.....	91		
892486.....	71	894508.....	56		
892811.....	105, 107	894509.....	63, 109, 113		
892921.....	51	894519.....	117		
892933.....	53	894573.....	65		
893145.....	61	894574.....	65		
893145.7.....	61	894580.....	77		
893182.....	77	894584.....	56		
893199.7.....	61	894590.....	75		
893199-G02.....	61	894591.....	86		
893233.....	65	894596.....	105, 107		
893234.....	65	894635.....	67		

INDEX

World Class Quality, Performance And Support

Equipment from Jacobsen is built to exacting standards ensured by ISO 9001 and ISO 14001 registration at all of our manufacturing locations.

A worldwide dealer network and factory trained technicians backed by Textron Parts Xpress provide reliable, high-quality product support.



JACOBSEN
A Textron Company

BOBCAT BUNTON CUSHMAN E-Z GO JACOBSEN RANSOMES RYAN STEINER

Textron Golf, Turf & Specialty Products
PO Box 7708, Charlotte, NC 28241-7708
www.ttcsp.com